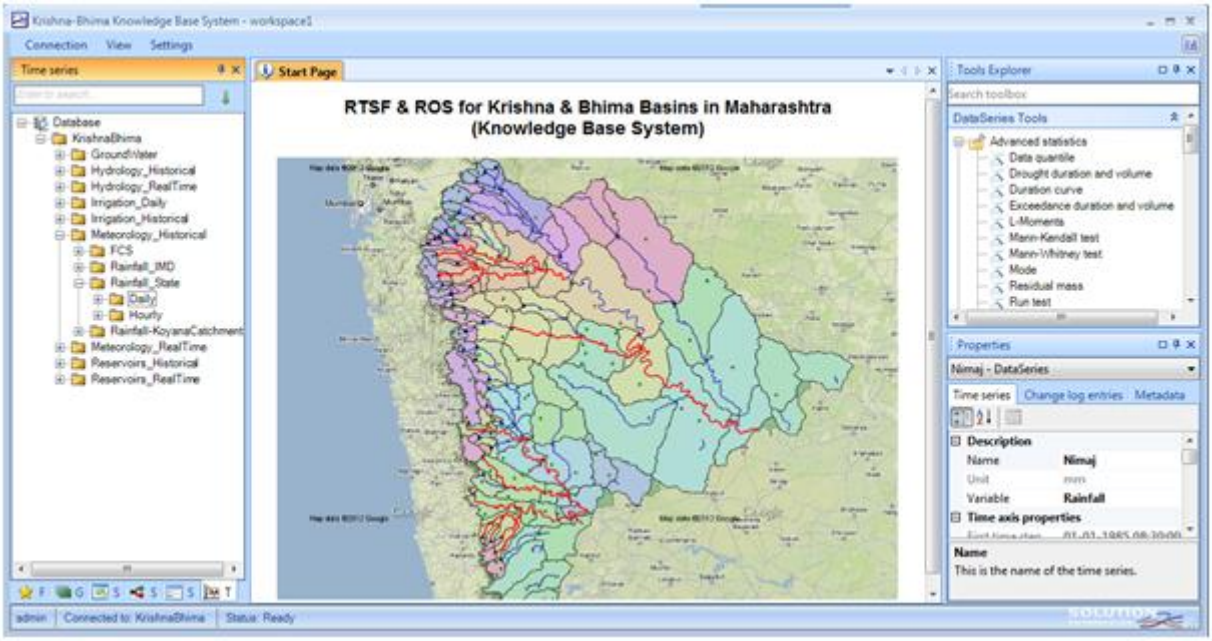
Government of Maharashtra
Water Resources Department

Hydrology Project II
IBRD Loan No: 4749-IN

Real Time Streamflow Forecasting and Reservoir Operation System for Krishna and Bhima River Basins in Maharashtra (RTSF & ROS)



Installation Guide for
Knowledge Base System (KBS)
and
RTSF&ROS Modelling Packages
June 2012

DHI Water Environment Health

Real Time Streamflow Forecasting and Reservoir Operation System for Krishna and Bhima River Basins in Maharashtra (RTSF & ROS)

Installstion Guide

June 2012

DHI (India) Water & Environment Pvt Ltd
3rd Floor, NSIC Bhawan, Okhla Industrial Estate
New Delhi 11 00 20
India

Tel:+911147034500
Fax:+911147034501
gnp@dhigroup.com
www.dhigroup.com

Client	Client's representative
Chief Engineer, Planning & Hydrology	Superintending Engineer

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Authors: Guna Paudyal, Anders Klinting, Dhananjay Pandit	Date: 18 June 2012
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1 OVERVIEW

The RTSF & ROS comprises a number of machines and software packages. Depending on the role of a machine different packages are to be installed – and different configurations to be undertaken.

This guide is intended to be used as a reference during training and during installation of the RTSF & ROS and the Knowledge Base System (KBS).

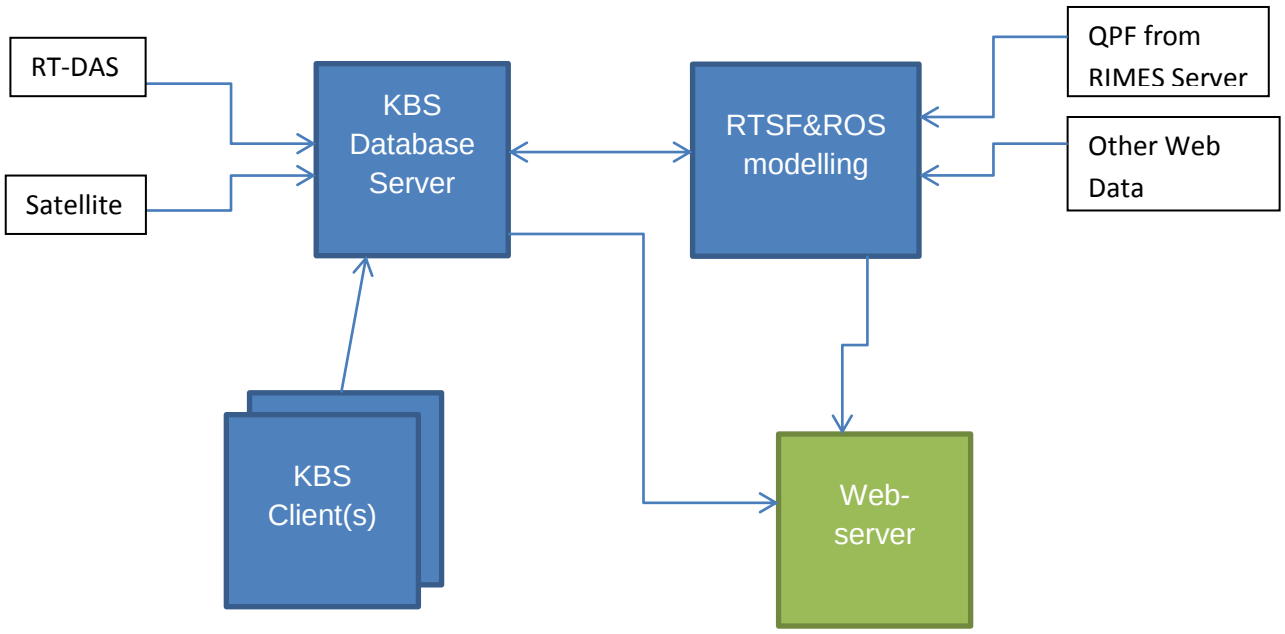
A number of different software packages (see what to install in next sections) are required in order to install and run the RTSF & ROS. This installation guide includes a typical installation process for all of the software packages required by RTSF & ROS and the KBS. It does however not replace the more comprehensive installation guides that come with the individual software packages.

Hence, to support a more customized installation or in order to resolve installation problems you may need to refer to the specific product installation guides.

The present Guide is intended for the installation of the Knowledge Base System only. A comprehensive installation guide for the modelling software and the RTSF&ROS will be prepared later.

1.1 Computer setup

The initially installed machines make up this network of computers



This diagram illustrates that

- The cores system consists of a KBS Database Server and a RTSF&ROS modelling machine.
- In the initial setup of the forecasting system the modelling is done based upon QPF and current reservoir measurements

- Modelling results are sent to the Web server
- The KBS Database server will retrieve and store RT-DAS data once they become available together with additional data added manually, e.g. Satellite images
- The KBS Database server will retrieve data from the modelling machine (QPF, measurements, forecasts) and store them
- The KBS Clients access the KBS database
- Model runs are executed directly on the modelling machine

1.2 What to Install

The KBS is a software package which builds upon Microsoft .Net Framework 3.5 SP1 and thus depends on it being installed for the correct functionality.

The KBS uses PostgreSQL 9 as the database server and PostGIS 2.0 as the GIS extension to PostgreSQL. The PostgreSQL database server can either be installed on the same machine as the application in a “Professional” deployment or it can be installed on a server machine located on the network on a “Corporate” deployment.

Furthermore, the DHI modeling tools MIKE BASIN and MIKE 11 need to be installed to run simulations. Current version of these modeling tools is 2011 SP 7.

MIKE BASIN, in its current form, is an extension to ArcMap and thus requires ArcMap to be installed. Required version is ArcMap 10 SP1.

1.2.1 Database server

The database server shall operate the database, serving clients with data. Furthermore it shall host the DataBroker Service and Job Manager recurrent tasks to import real-time data and modelling time series.

- PostgreSQL 9.0, see Chapter 4
- PostGIS 2.0, see Chapter 6
- DSS 2.2, see Chapter
- Custom DataBroker driver, see Chapter 6.1

Furthermore, the database needs to be created or restored.

1.2.2 Modelling Machine

The modelling machine will retrieve time series data from the internet (and later also from the KBS database server) and will run the regular forecasts and publish results on a web page.

To do this the following software must be installed

- MIKE 11
- MIKE BASIN, incl. ArcMap
- RTSF&ROS

1.2.3 KBS Client

Any machine wanting to access the KBS database server will at minimum need to install the following:

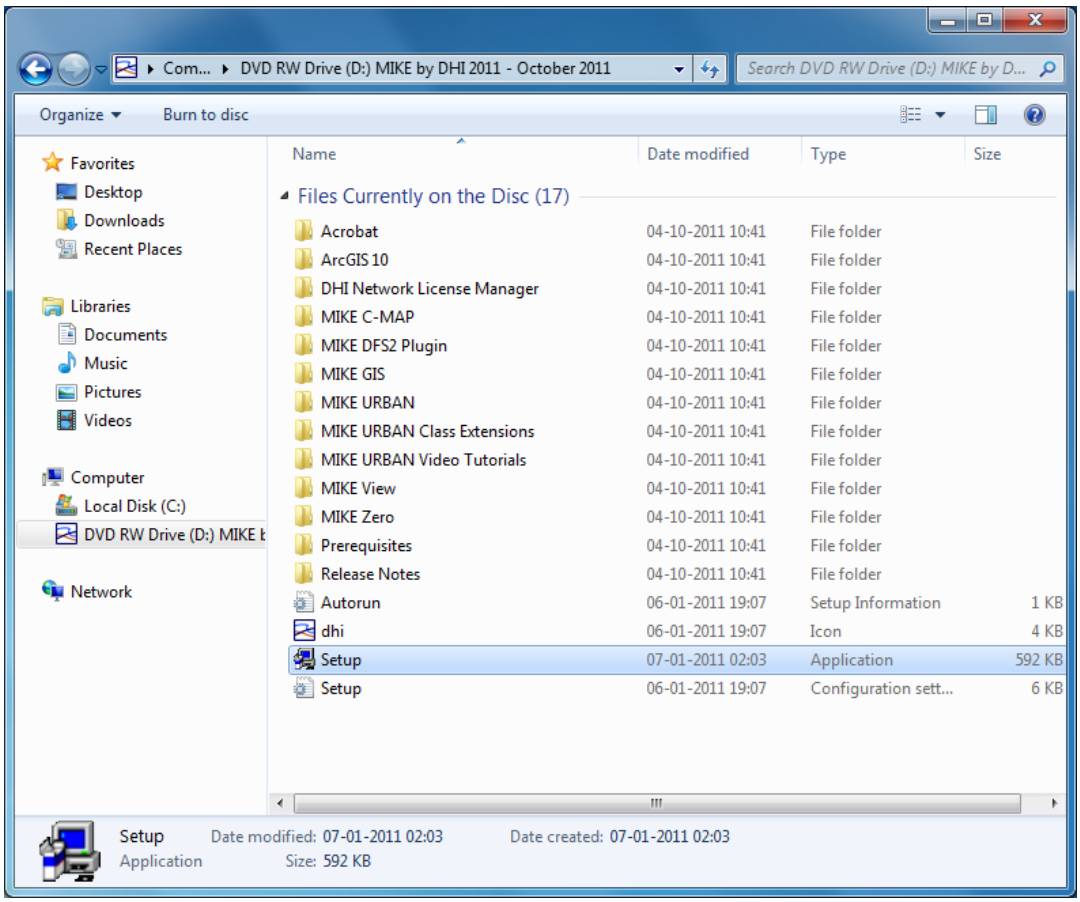
- DSS 2.2
- Time Series Package or a MIKE Zero product (MIKE 11 or MIKE BASIN)

1.2.4 Web Server

It is assumed to be a simple web hotel, i.e. no software needs to be installed

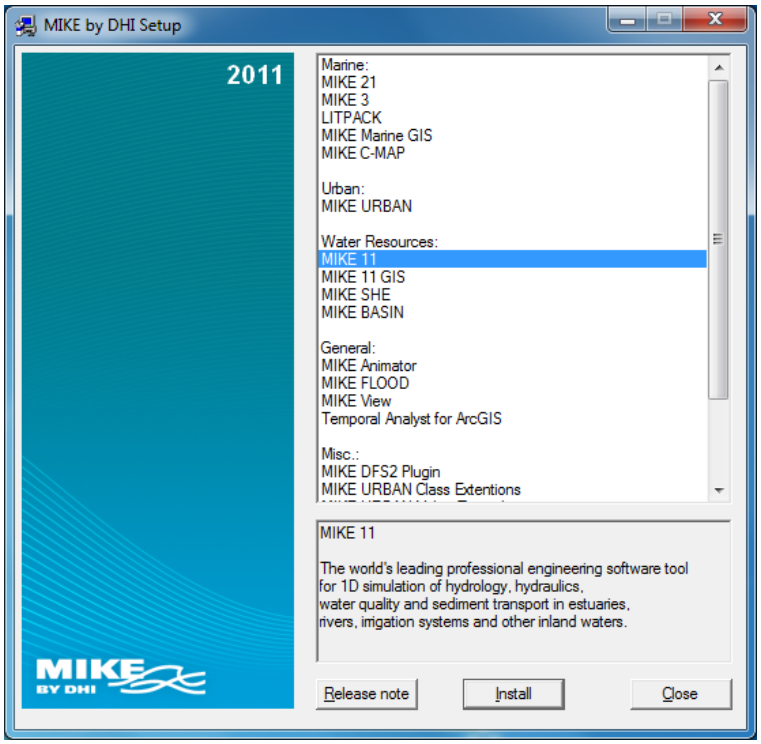
2 MIKE 11 INSTALLATION

Insert the "MIKE by DHI 2011 DVD" in the CD/DVD drive. Start Windows Explorer by right-clicking on “Windows Start" menu and selecting "Open Windows Explorer" or by pressing "Windows Key" + E simultaneously. Select the CD/DVD drive and double click on "Setup" (or "Setup.exe" if file extensions are being shown):


Com... ▸ DVD RW Drive (D:) MIKE by DHI 2011 - October 2011
Search DVD RW Drive (D:) MIKE by D...
Organize
Burn to disc
Favorites
Desktop
Downloads
Recent Places
Libraries
Documents
Music
Pictures
Videos
Computer
Local Disk (C:)
DVD RW Drive (D:) MIKE b
Network
Name
Date modified
Type
Size
Files Currently on the Disc (17)
Acrobat 04-10-2011 10:41 File folder
ArcGIS 10 04-10-2011 10:41 File folder
DHI Network License Manager 04-10-2011 10:41 File folder
MIKE C-MAP 04-10-2011 10:41 File folder
MIKE DFS2 Plugin 04-10-2011 10:41 File folder
MIKE GIS 04-10-2011 10:41 File folder
MIKE URBAN 04-10-2011 10:41 File folder
MIKE URBAN Class Extensions 04-10-2011 10:41 File folder
MIKE URBAN Video Tutorials 04-10-2011 10:41 File folder
MIKE View 04-10-2011 10:41 File folder
MIKE Zero 04-10-2011 10:41 File folder
Prerequisites 04-10-2011 10:41 File folder
Release Notes 04-10-2011 10:41 File folder
Autorun 06-01-2011 19:07 Setup Information 1 KB
dhi 06-01-2011 19:07 Icon 4 KB
Setup 07-01-2011 02:03 Application 592 KB
Setup 06-01-2011 19:07 Configuration sett... 6 KB
Setup Date modified: 07-01-2011 02:03 Date created: 07-01-2011 02:03
Application Size: 592 KB

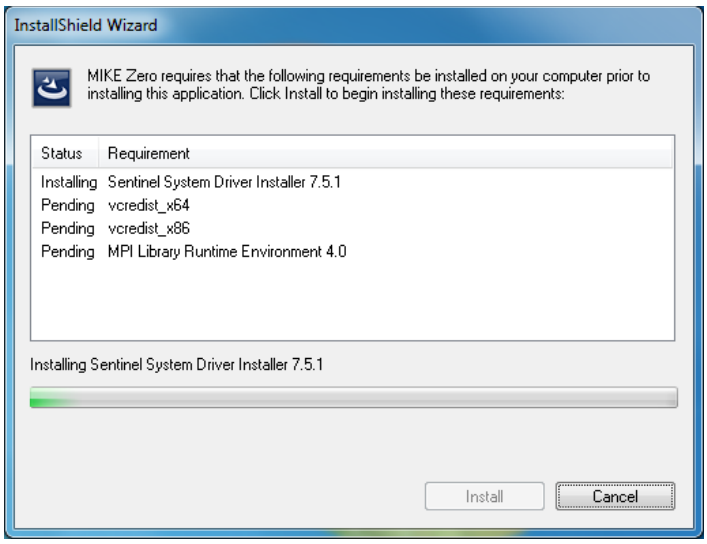
The following window shows up with the different setup options:

Select "MIKE 11" and click "Install":

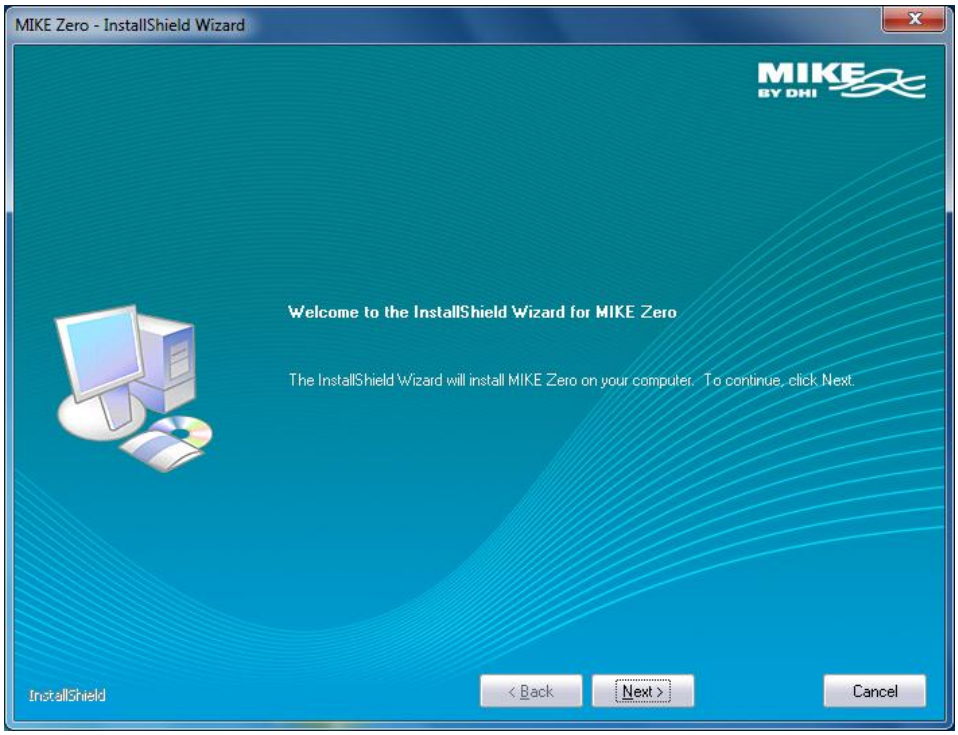


A dialog with the list of pre-requisites shows up:

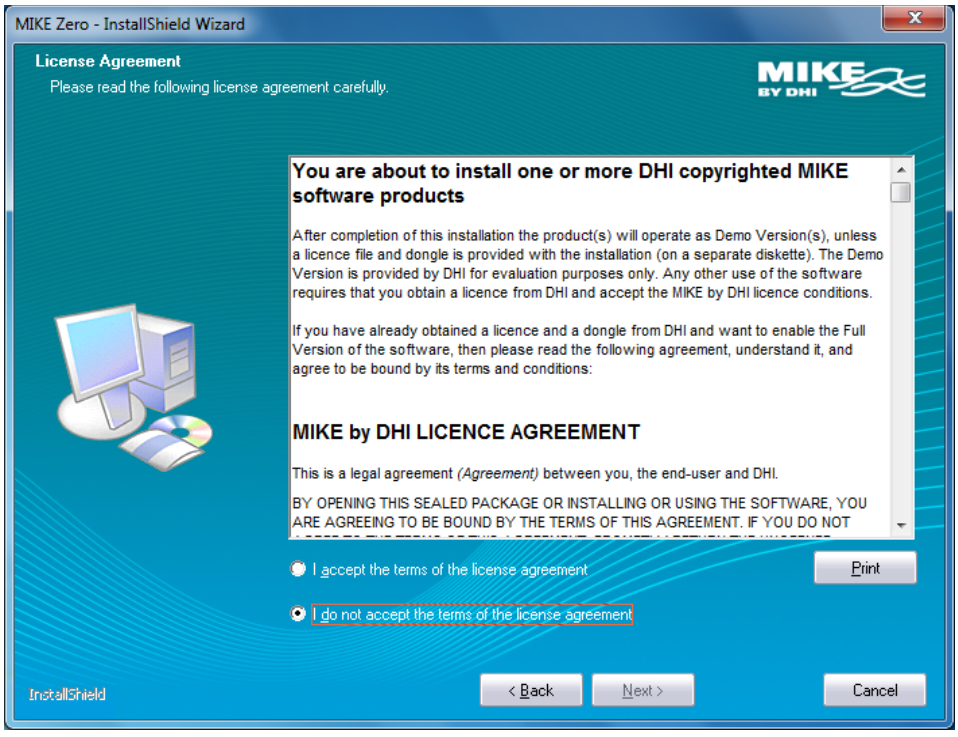
Click "Install" to proceed. The installation dialog providing progress information shows up:


InstallShield Wizard
MIKE Zero requires that the following requirements be installed on your computer prior to installing this application. Click Install to begin installing these requirements:
Status
Requirement
Installing Sentinel System Driver Installer 7.5.1
Pending vcredist_x64
Pending vcredist_x86
Pending MPI Library Runtime Environment 4.0
Installing Sentinel System Driver Installer 7.5.1
Install
Cancel

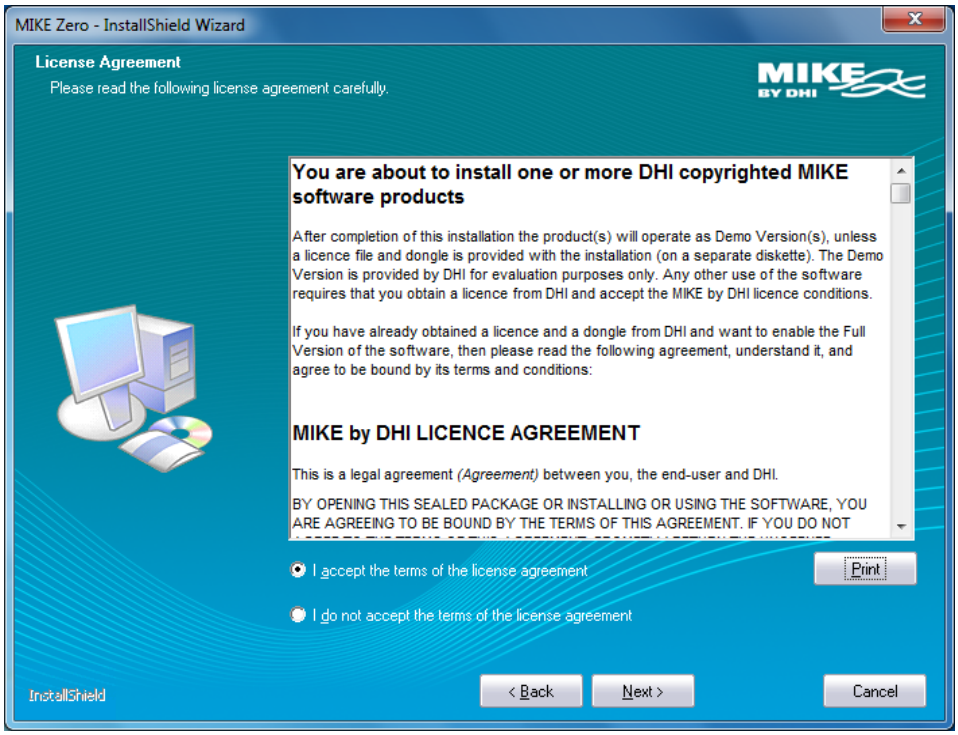
When all pre-requisites are installed the MikeZero installation wizard is shown:


MIKE Zero - InstallShield Wizard
MIKE BY DHI
Welcome to the InstallShield Wizard for MIKE Zero
The InstallShield Wizard will install MIKE Zero on your computer. To continue, click Next.
InstallShield
< Back
Next >
Cancel

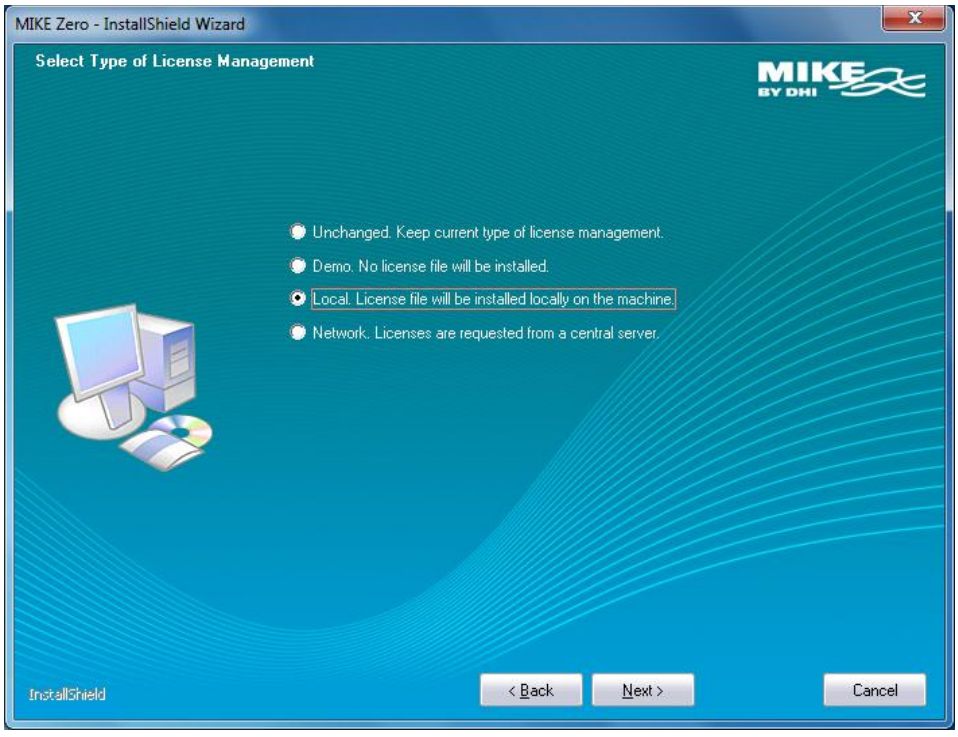
Click "Next" to proceed:


MIKE Zero - InstallShield Wizard
License Agreement
Please read the following license agreement carefully.
MIKE BY DHI
You are about to install one or more DHI copyrighted MIKE software products
After completion of this installation the product(s) will operate as Demo Version(s), unless a licence file and dongle is provided with the installation (on a separate diskette). The Demo Version is provided by DHI for evaluation purposes only. Any other use of the software requires that you obtain a licence from DHI and accept the MIKE by DHI licence conditions.
If you have already obtained a licence and a dongle from DHI and want to enable the Full Version of the software, then please read the following agreement, understand it, and agree to be bound by its terms and conditions:
MIKE by DHI LICENCE AGREEMENT
This is a legal agreement (Agreement) between you, the end-user and DHI.
BY OPENING THIS SEALED PACKAGE OR INSTALLING OR USING THE SOFTWARE, YOU ARE AGREEING TO BE BOUND BY THE TERMS OF THIS AGREEMENT. IF YOU DO NOT
I accept the terms of the license agreement
I do not accept the terms of the license agreement
Print
InstallShield
< Back
Next >
Cancel

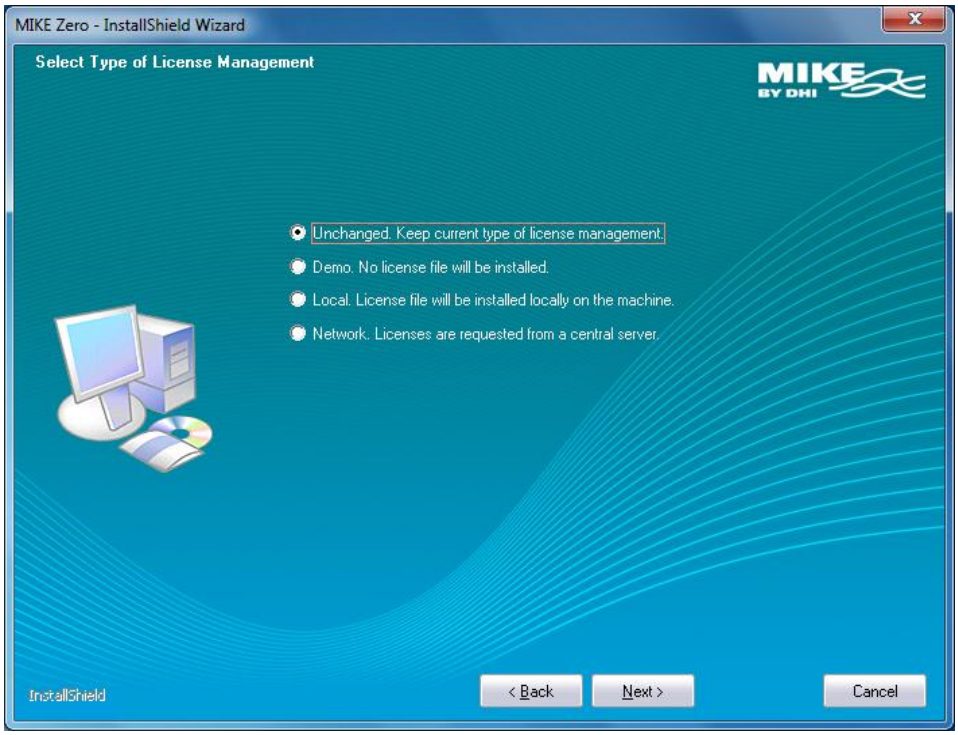
Read the license agreement and check "I accept the terms of the license agreement". Click "Next" to proceed.


MIKE Zero - InstallShield Wizard
License Agreement
Please read the following license agreement carefully.
MIKE BY DHI
You are about to install one or more DHI copyrighted MIKE software products
After completion of this installation the product(s) will operate as Demo Version(s), unless a licence file and dongle is provided with the installation (on a separate diskette). The Demo Version is provided by DHI for evaluation purposes only. Any other use of the software requires that you obtain a licence from DHI and accept the MIKE by DHI licence conditions.
If you have already obtained a licence and a dongle from DHI and want to enable the Full Version of the software, then please read the following agreement, understand it, and agree to be bound by its terms and conditions:
MIKE by DHI LICENCE AGREEMENT
This is a legal agreement (Agreement) between you, the end-user and DHI.
BY OPENING THIS SEALED PACKAGE OR INSTALLING OR USING THE SOFTWARE, YOU ARE AGREEING TO BE BOUND BY THE TERMS OF THIS AGREEMENT. IF YOU DO NOT
I accept the terms of the license agreement
Print
I do not accept the terms of the license agreement
InstallShield
< Back
Next >
Cancel

The license selection dialog shows up:

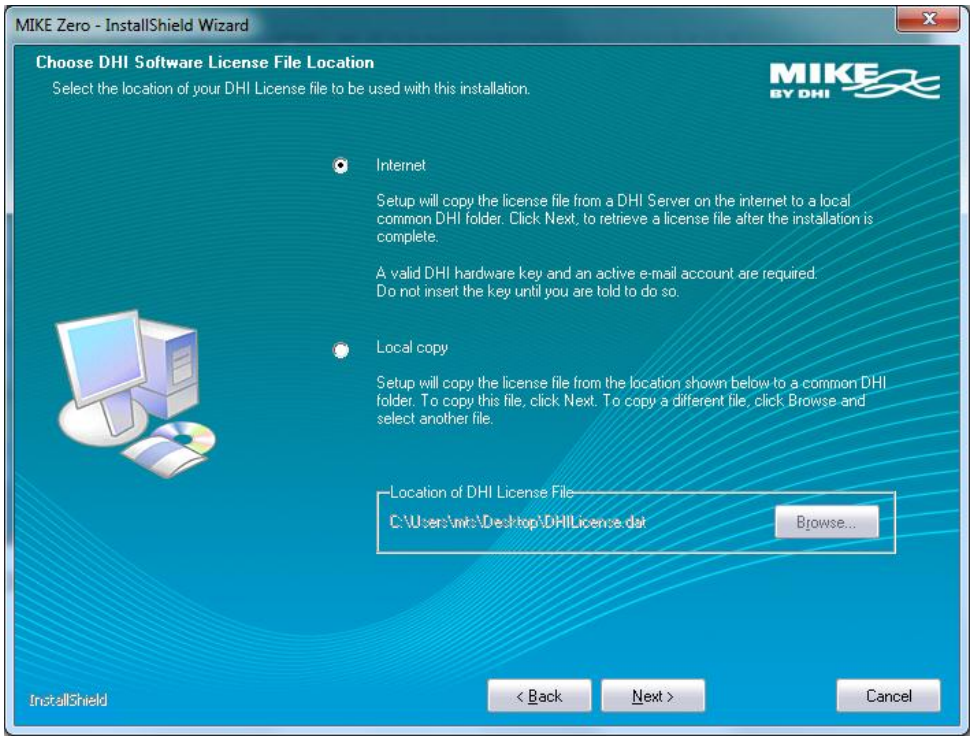

MIKE Zero - InstallShield Wizard
Select Type of License Management
MIKE BY DHI
Unchanged. Keep current type of license management.
Demo. No license file will be installed.
Local. License file will be installed locally on the machine.
Network. Licenses are requested from a central server.
InstallShield
< Back
Next >
Cancel

If you already have a valid DHI license installed select "Unchanged. Keep the current type of license management" followed by "Next".


MIKE Zero - InstallShield Wizard
Select Type of License Management
MIKE BY DHI
Unchanged. Keep current type of license management.
Demo. No license file will be installed.
Local. License file will be installed locally on the machine.
Network. Licenses are requested from a central server.
InstallShield
< Back
Next >
Cancel

Otherwise select "Local. License file will be installed locally on the machine"

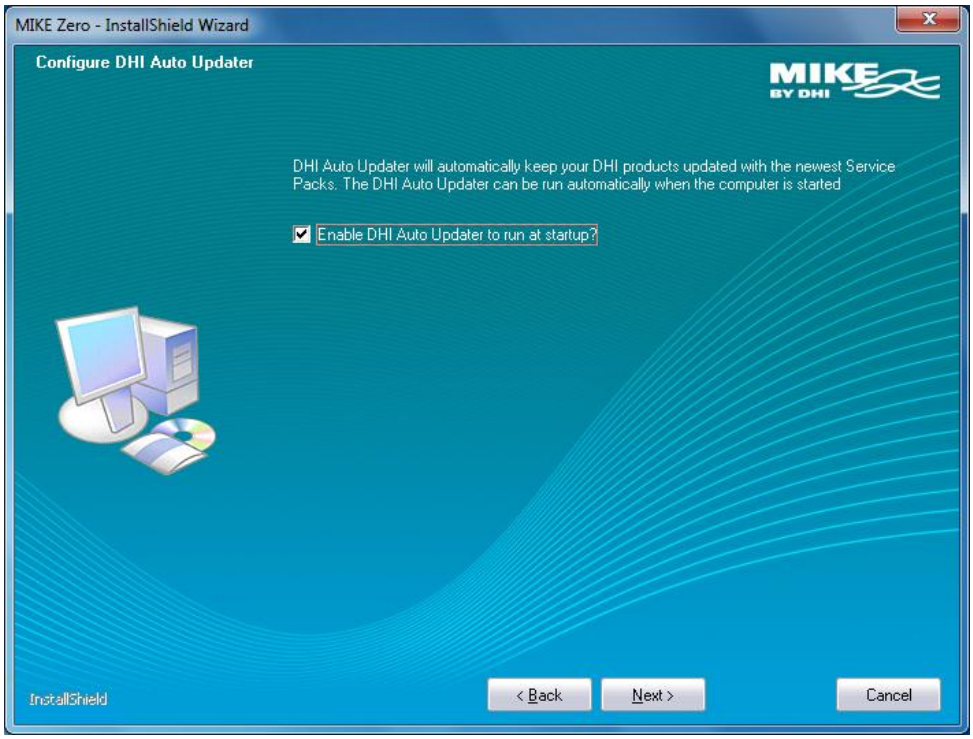
Click "Next" to proceed as all computers shall run with a local license. The "License File Location" dialog is shown:


MIKE Zero - InstallShield Wizard
Choose DHI Software License File Location
Select the location of your DHI License file to be used with this installation.
MIKE BY DHI
Internet
Setup will copy the license file from a DHI Server on the internet to a local common DHI folder. Click Next, to retrieve a license file after the installation is complete.
A valid DHI hardware key and an active e-mail account are required. Do not insert the key until you are told to do so.
Local copy
Setup will copy the license file from the location shown below to a common DHI folder. To copy this file, click Next. To copy a different file, click Browse and select another file.
Location of DHI License File
C:\Users\mls\Desktop\DHILicense.dat
Browse...
InstallShield
< Back
Next >
Cancel

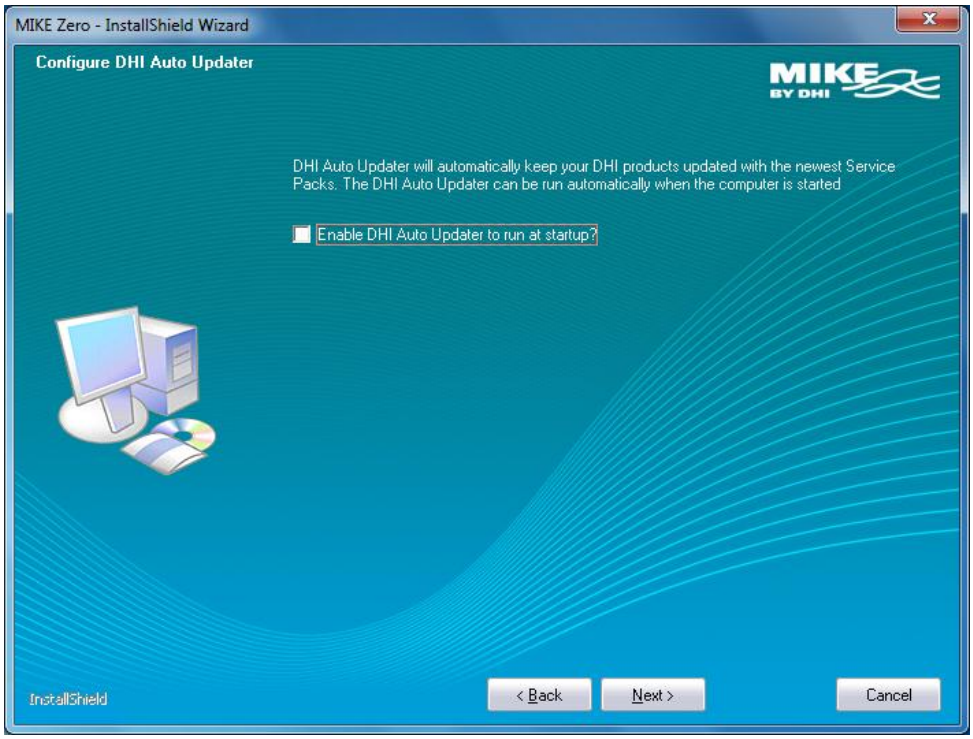
Select "Local copy" and click "Browse" to select the DHI license. Click "Open" to go back to the "License File Location" dialog and click "Next" to proceed.

Note: Contact DHI Software Support in case you are entitled a license and don't have one. A USB dongle is also required.

The "Auto Update Configuration" dialog is shown:

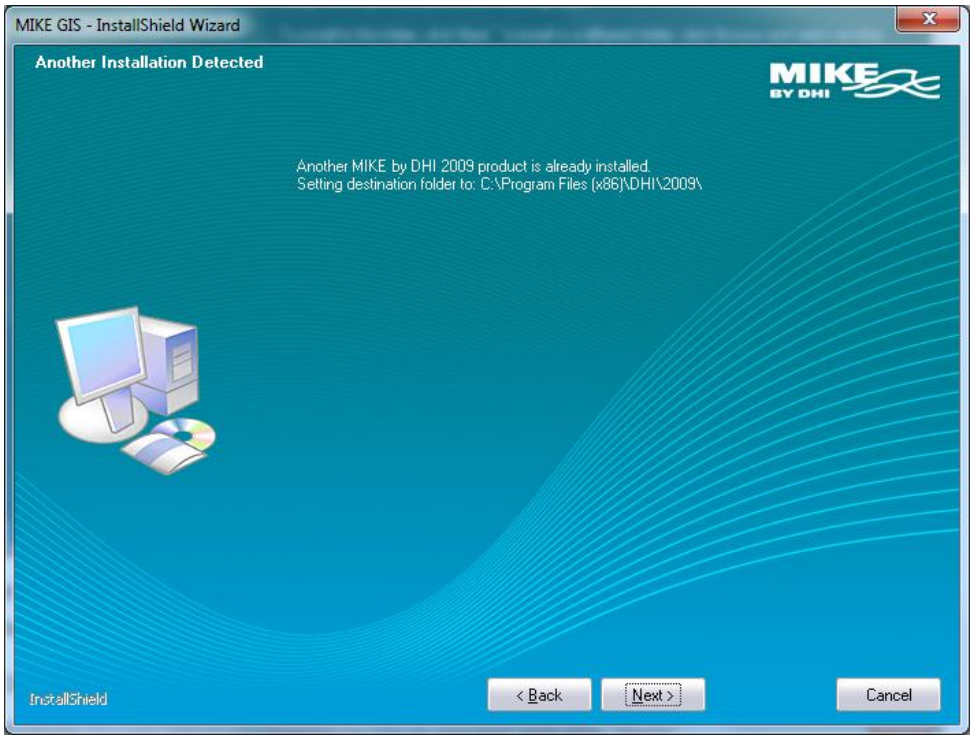

MIKE Zero - InstallShield Wizard
Configure DHI Auto Updater
MIKE BY DHI
DHI Auto Updater will automatically keep your DHI products updated with the newest Service Packs. The DHI Auto Updater can be run automatically when the computer is started
Enable DHI Auto Updater to run at startup?
InstallShield
< Back
Next >
Cancel

Uncheck "Enable DHI Auto Updater to run as startup".


MIKE Zero - InstallShield Wizard
Configure DHI Auto Updater
MIKE BY DHI
DHI Auto Updater will automatically keep your DHI products updated with the newest Service Packs. The DHI Auto Updater can be run automatically when the computer is started
Enable DHI Auto Updater to run at startup?
InstallShield
< Back
Next >
Cancel

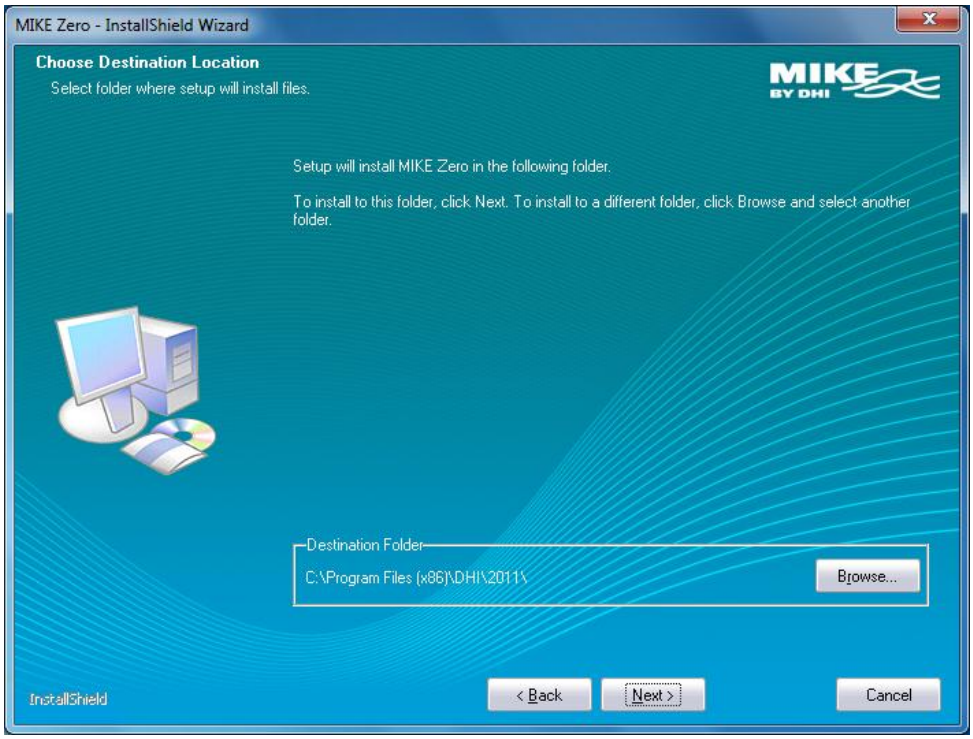
Click "Next".

If another MIKE by DHI product is installed the following dialog is shown:


MIKE GIS - InstallShield Wizard
Another Installation Detected
MIKE BY DHI
Another MIKE by DHI 2009 product is already installed.
Setting destination folder to: C:\Program Files (x86)\DHI\2009\
InstallShield
< Back
Next >
Cancel

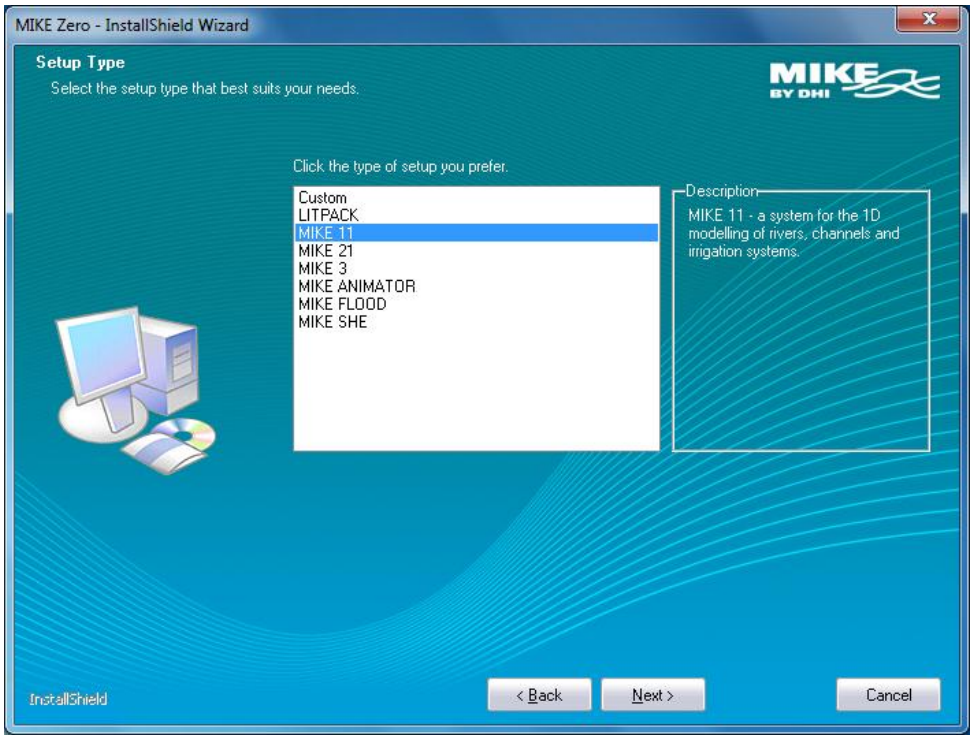
Click "Next" to proceed.

Otherwise, the following dialog is shown:

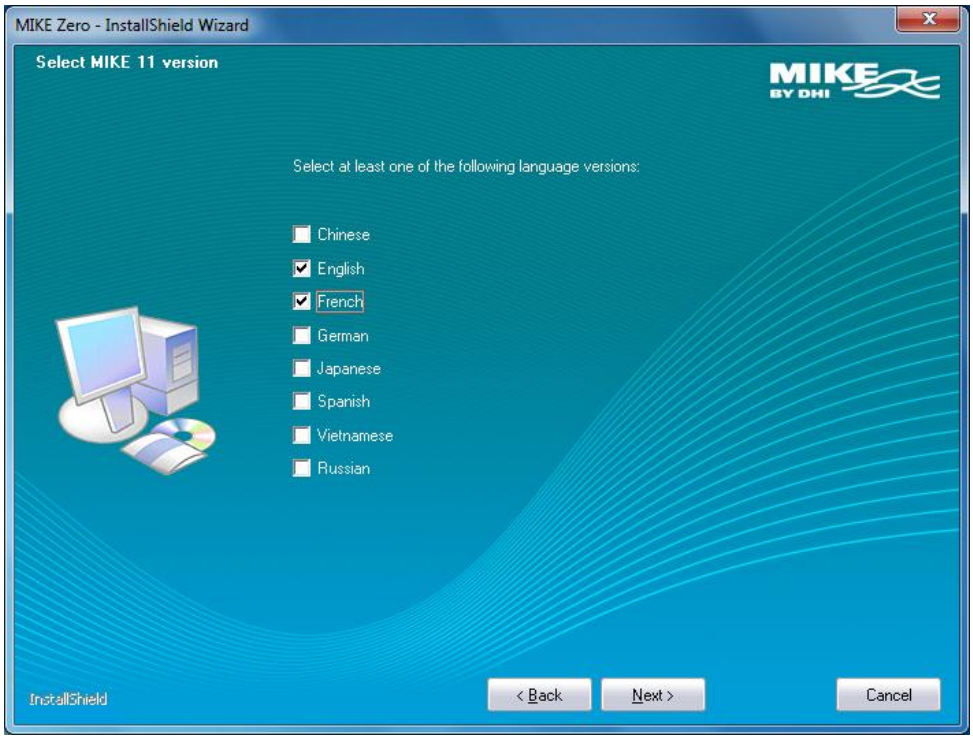

MIKE Zero - InstallShield Wizard
Choose Destination Location
Select folder where setup will install files.
MIKE BY DHI
Setup will install MIKE Zero in the following folder.
To install to this folder, click Next. To install to a different folder, click Browse and select another folder.
Destination Folder
C:\Program Files (x86)\DHI\2011\
Browse...
InstallShield
< Back
Next >
Cancel

If you want to specify a different folder for the installation, click "Browse" and select a different folder in the dialog that shows up.

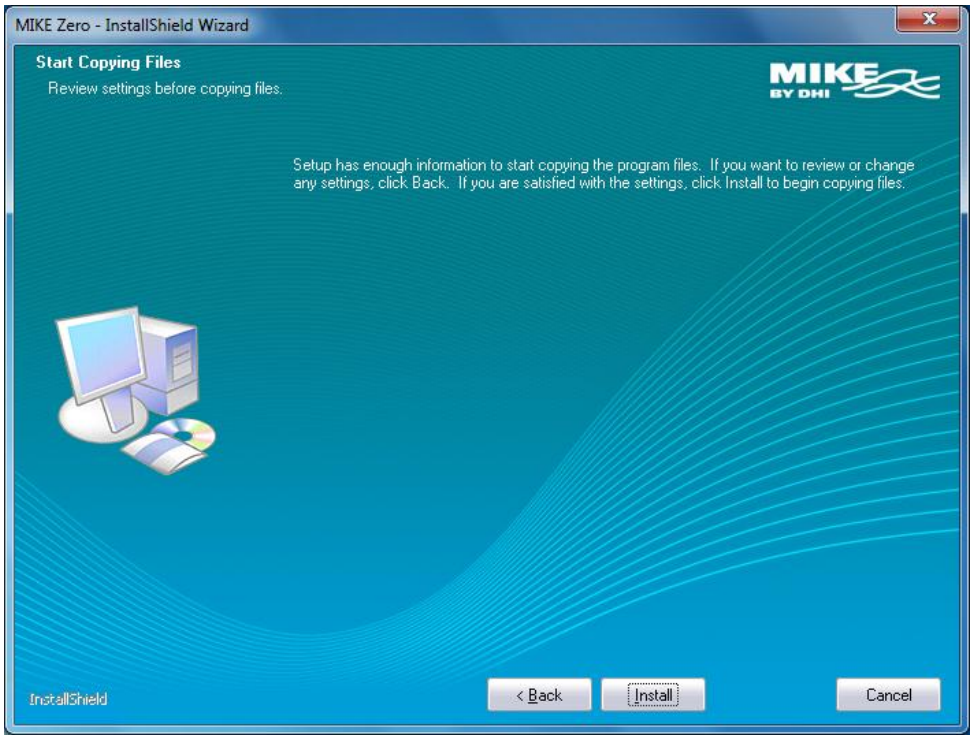
Click "Next" to proceed.



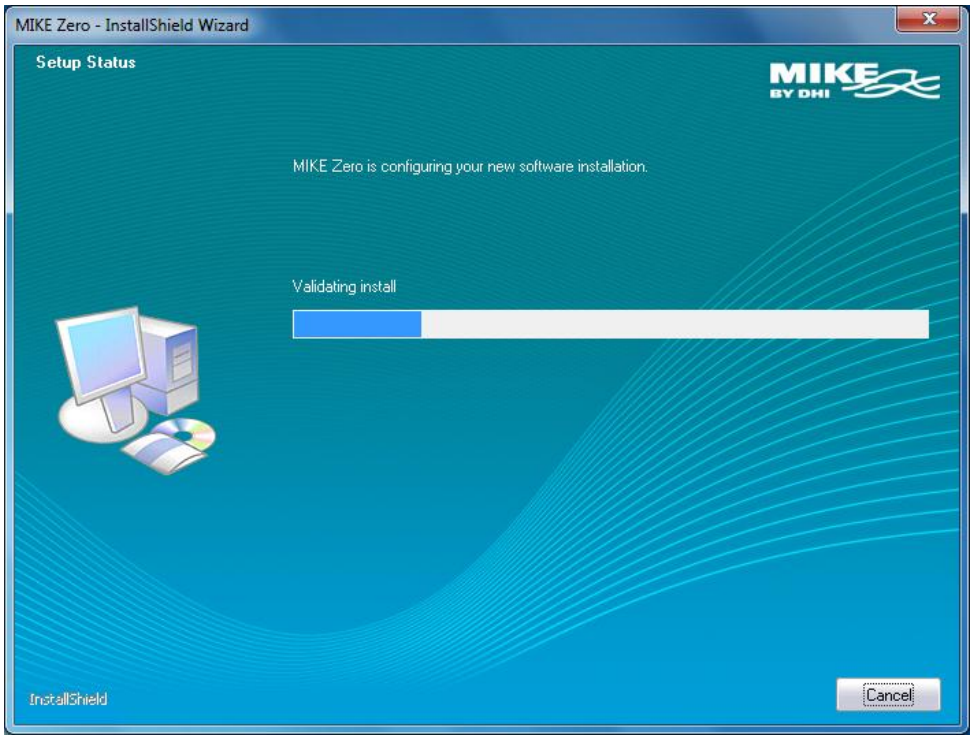
Be sure "MIKE 11" is selected and click "Next". The "Language Selection" dialog is shown:



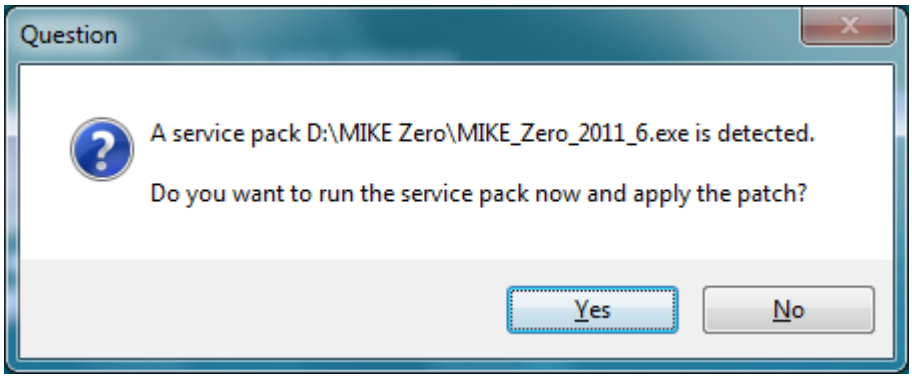
Select the language(s) of interest and click "Next":


MIKE Zero - InstallShield Wizard
Start Copying Files
Review settings before copying files.
MIKE BY DHI
Setup has enough information to start copying the program files. If you want to review or change any settings, click Back. If you are satisfied with the settings, click Install to begin copying files.
InstallShield
< Back
Install
Cancel

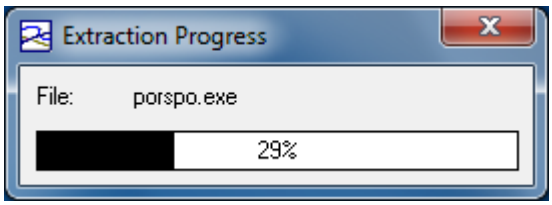
Click "Install" to start installation. The installation dialog providing progress information shows up:



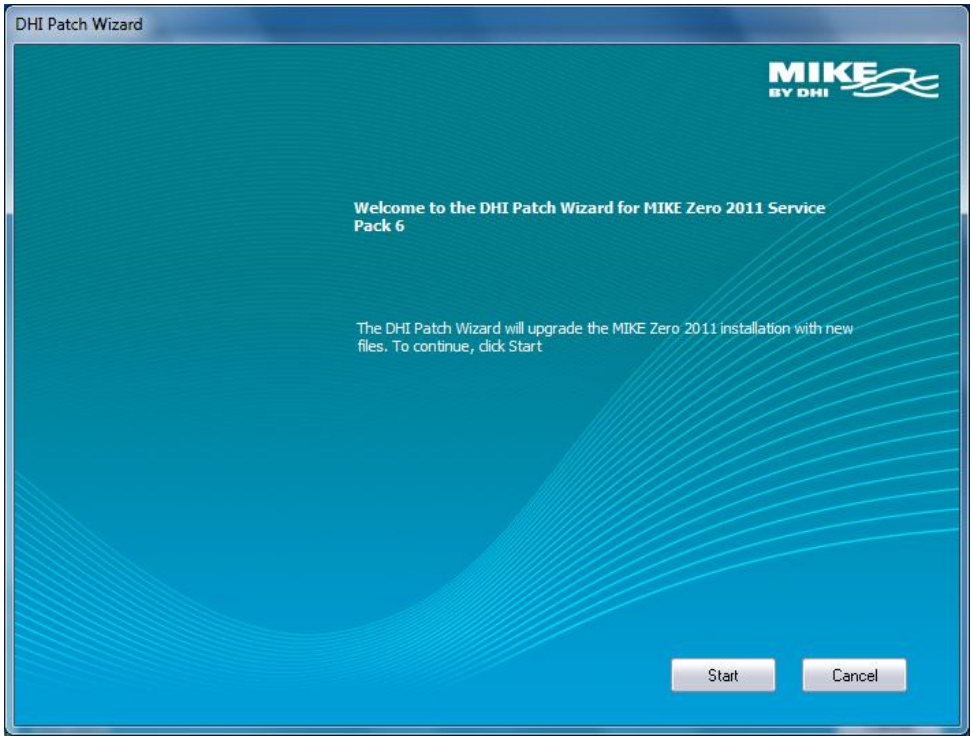
When finished, and the completed installation comes with service packs, the following dialog (or similar) is shown:


Question
A service pack D:\MIKE Zero\MIKE_Zero_2011_6.exe is detected.
Do you want to run the service pack now and apply the patch?
Yes
No

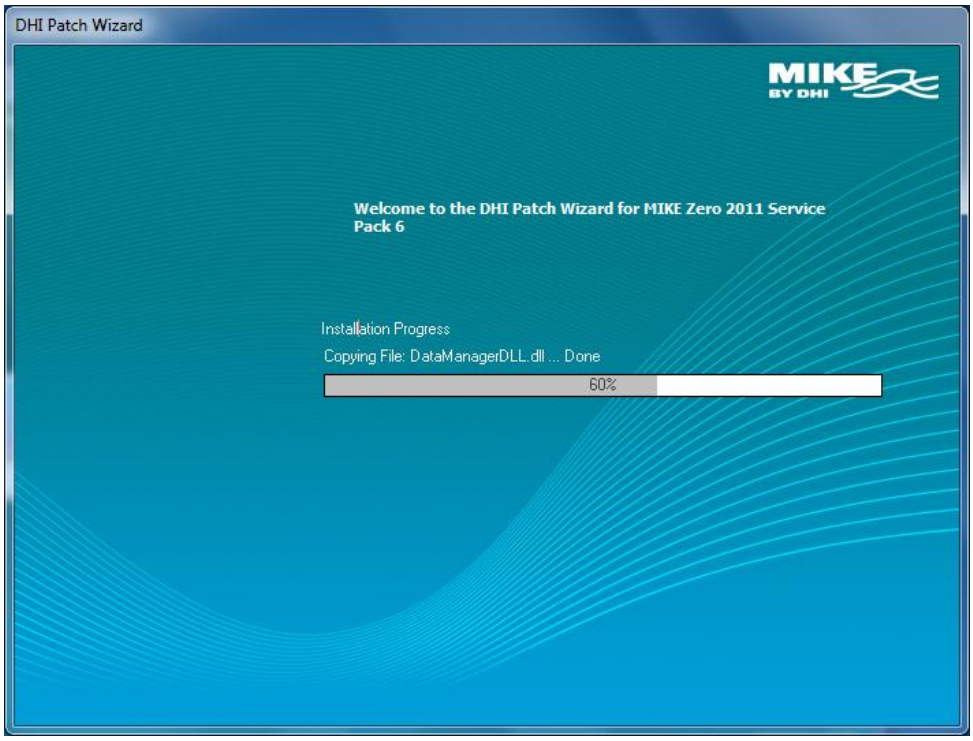
Click "Yes" to install the service pack. Service pack files are extracted:



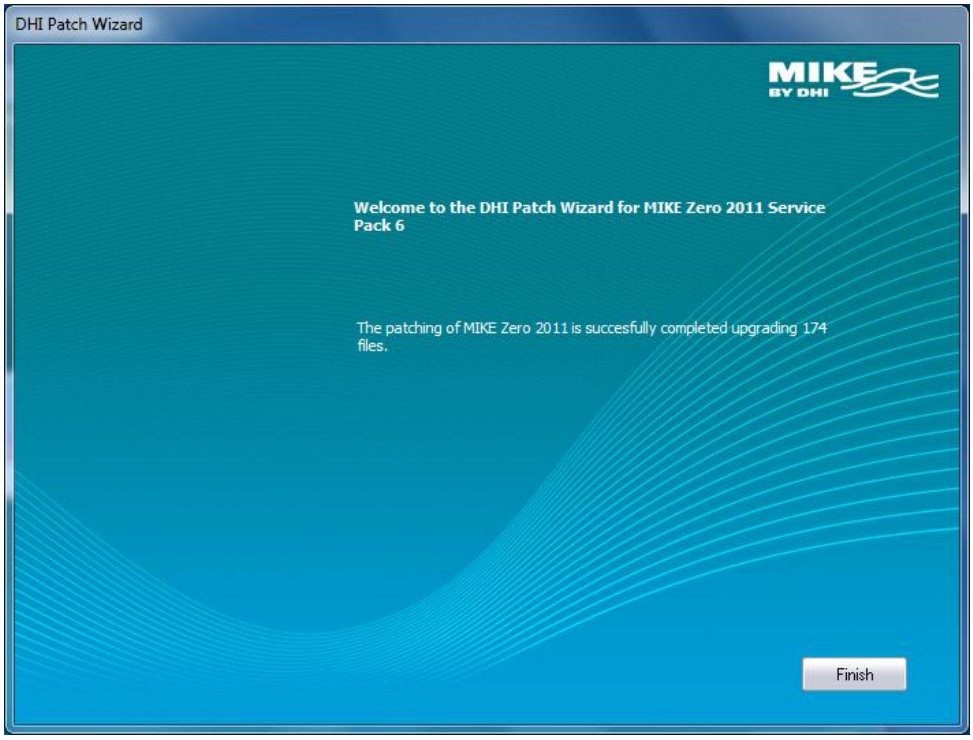
When all files are extracted the "Service Pack Installation" wizard is shown:


DHI Patch Wizard
MIKE BY DHI
Welcome to the DHI Patch Wizard for MIKE Zero 2011 Service Pack 6
The DHI Patch Wizard will upgrade the MIKE Zero 2011 installation with new files. To continue, click Start
Start
Cancel

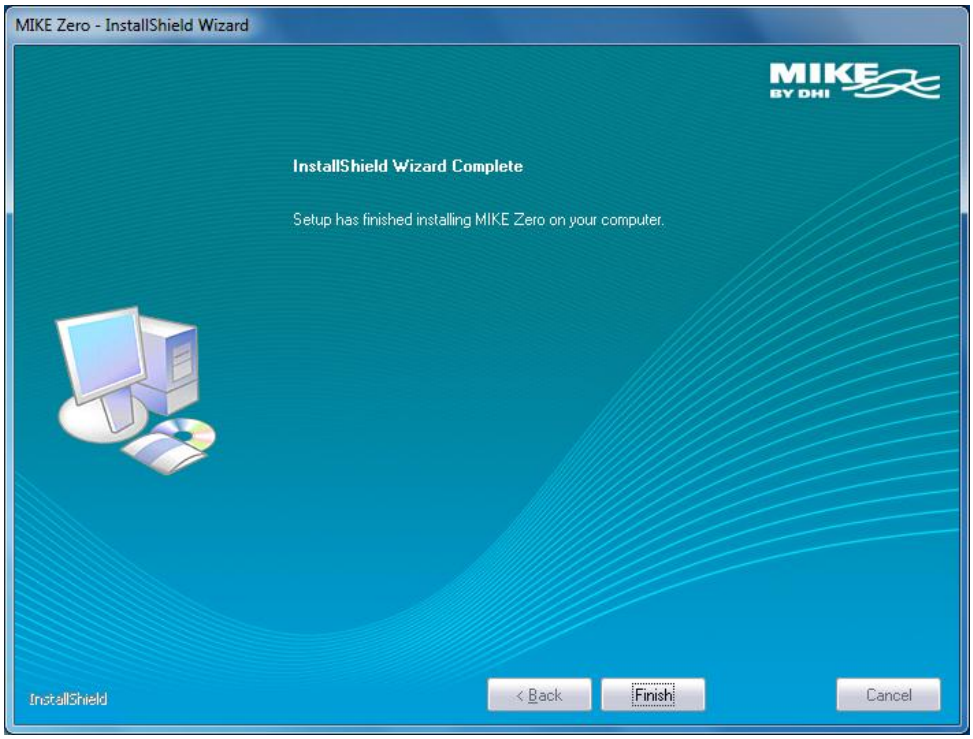
Click "Start" to initiate installation of the service pack. The installation dialog providing progress information shows up:


DHI Patch Wizard
MIKE BY DHI
Welcome to the DHI Patch Wizard for MIKE Zero 2011 Service Pack 6
Installation Progress
Copying File: DataManagerDLL.dll ... Done
60%

When finished, the last dialog for the service pack installation is shown:


DHI Patch Wizard
MIKE BY DHI
Welcome to the DHI Patch Wizard for MIKE Zero 2011 Service Pack 6
The patching of MIKE Zero 2011 is succesfully completed upgrading 174 files.
Finish

Click "Finish". The last dialog for the MikeZero installation is shown.



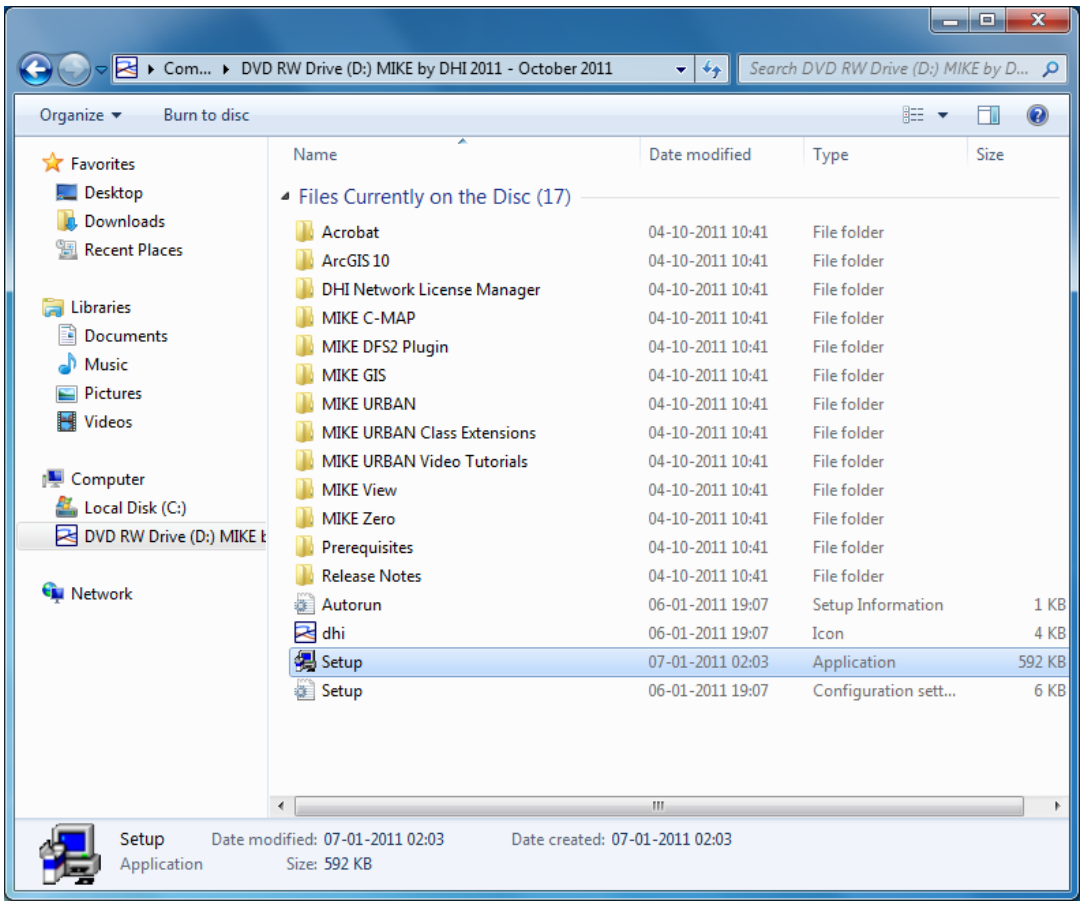
Click "Finish".

A new folder called "MIKE by DHI 2011" is created under "All Programs" in the "Start menu". Follow the MIKE 11 instructions and user manual on how to use these.

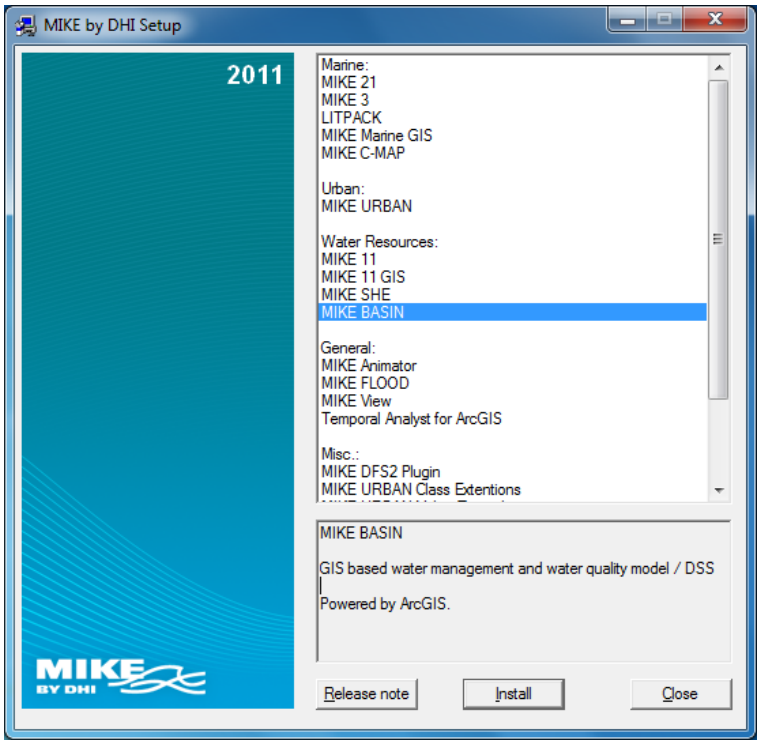
When new services packs are available for MIKE 11 do not install them unless DHI recommends the upgrade. In such case, launch the service pack installation by double clicking on the service pack installer executable and follow the procedure as described above.

3 MIKE BASIN INSTALLATION

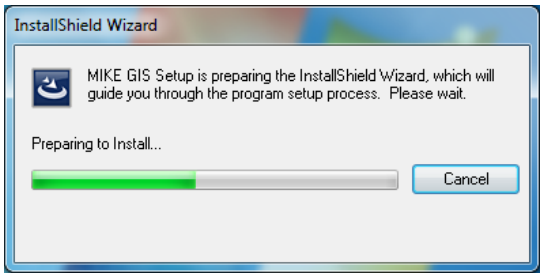
Insert the "MIKE by DHI 2011 DVD" in the CD/DVD drive. Start Windows Explorer by right-clicking on “Windows Start" menu and selecting "Open Windows Explorer" or by pressing "Windows Key" + E simultaneously. Select the CD/DVD drive and double click on "Setup" (or "Setup.exe" if file extensions are being shown):


Com... ▸ DVD RW Drive (D:) MIKE by DHI 2011 - October 2011
Search DVD RW Drive (D:) MIKE by D...
Organize
Burn to disc
Favorites
Desktop
Downloads
Recent Places
Libraries
Documents
Music
Pictures
Videos
Computer
Local Disk (C:)
DVD RW Drive (D:) MIKE b
Network
Name
Date modified
Type
Size
Files Currently on the Disc (17)
Acrobat 04-10-2011 10:41 File folder
ArcGIS 10 04-10-2011 10:41 File folder
DHI Network License Manager 04-10-2011 10:41 File folder
MIKE C-MAP 04-10-2011 10:41 File folder
MIKE DFS2 Plugin 04-10-2011 10:41 File folder
MIKE GIS 04-10-2011 10:41 File folder
MIKE URBAN 04-10-2011 10:41 File folder
MIKE URBAN Class Extensions 04-10-2011 10:41 File folder
MIKE URBAN Video Tutorials 04-10-2011 10:41 File folder
MIKE View 04-10-2011 10:41 File folder
MIKE Zero 04-10-2011 10:41 File folder
Prerequisites 04-10-2011 10:41 File folder
Release Notes 04-10-2011 10:41 File folder
Autorun 06-01-2011 19:07 Setup Information 1 KB
dhi 06-01-2011 19:07 Icon 4 KB
Setup 07-01-2011 02:03 Application 592 KB
Setup 06-01-2011 19:07 Configuration sett... 6 KB
Setup
Application
Date modified: 07-01-2011 02:03
Size: 592 KB
Date created: 07-01-2011 02:03

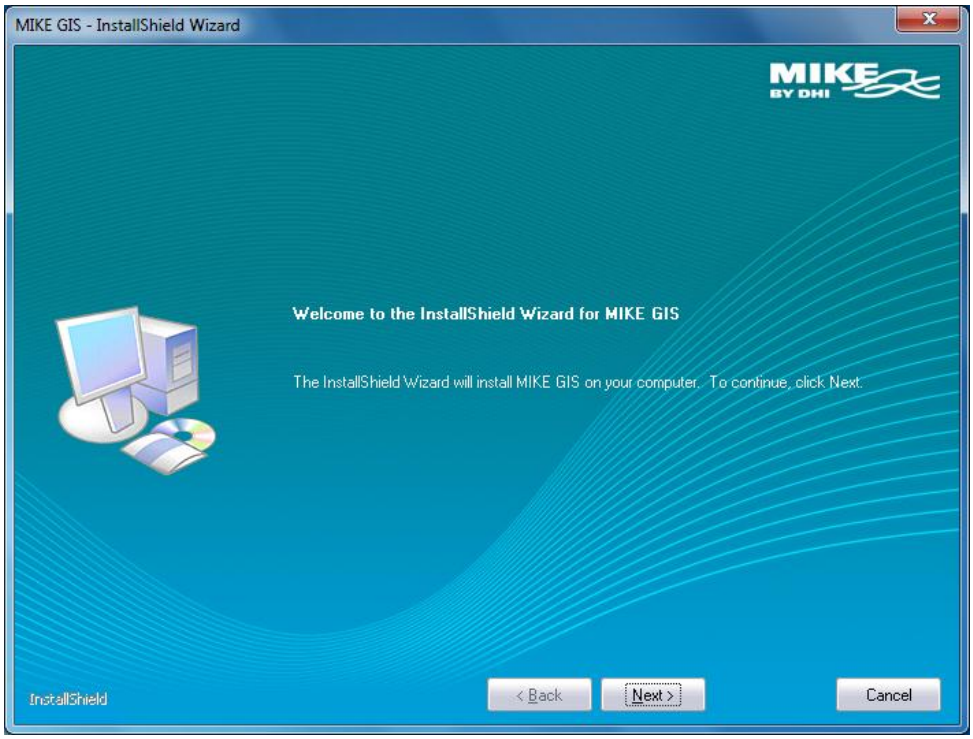
The following dialog shows up with the different setup options. Select "MIKE BASIN" and click "Install":



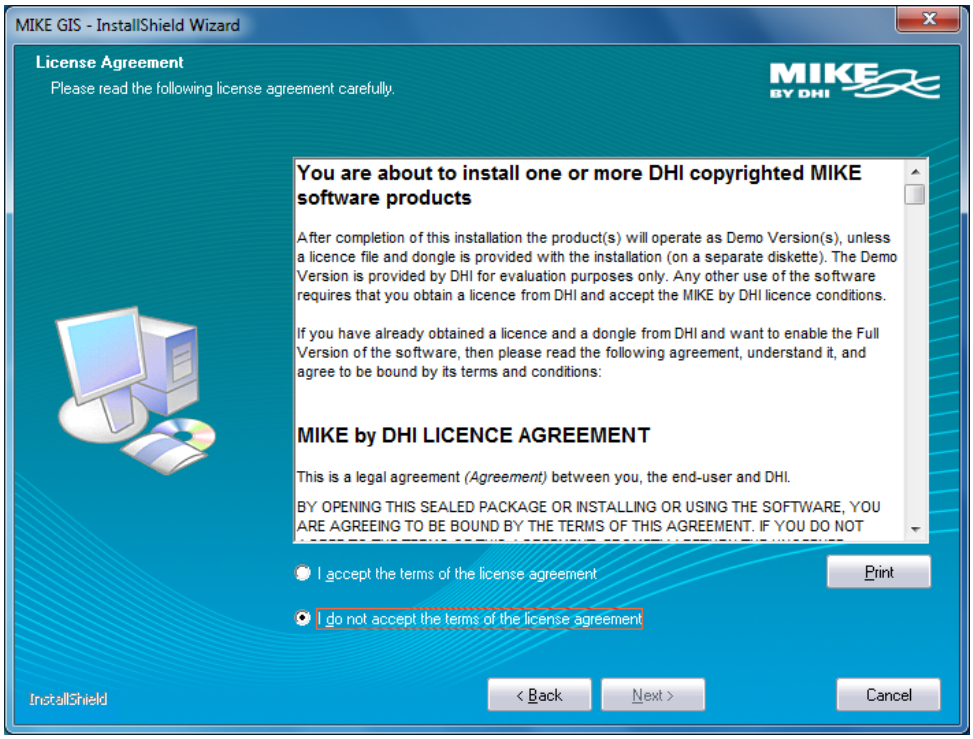
A dialog preparing for the installation shows up


InstallShield Wizard
MIKE GIS Setup is preparing the InstallShield Wizard, which will guide you through the program setup process. Please wait.
Preparing to Install...
Cancel

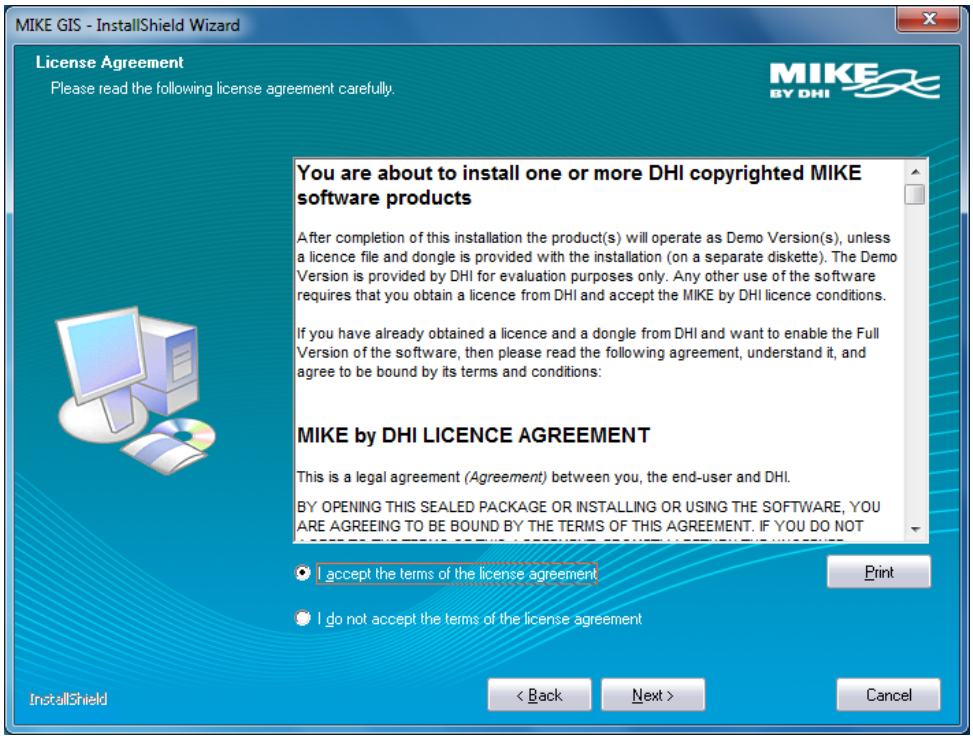
After some time the MIKE GIS installation wizard is shown:


MIKE GIS - InstallShield Wizard
MIKE BY DHI
Welcome to the InstallShield Wizard for MIKE GIS
The InstallShield Wizard will install MIKE GIS on your computer. To continue, click Next.
InstallShield
< Back
Next >
Cancel

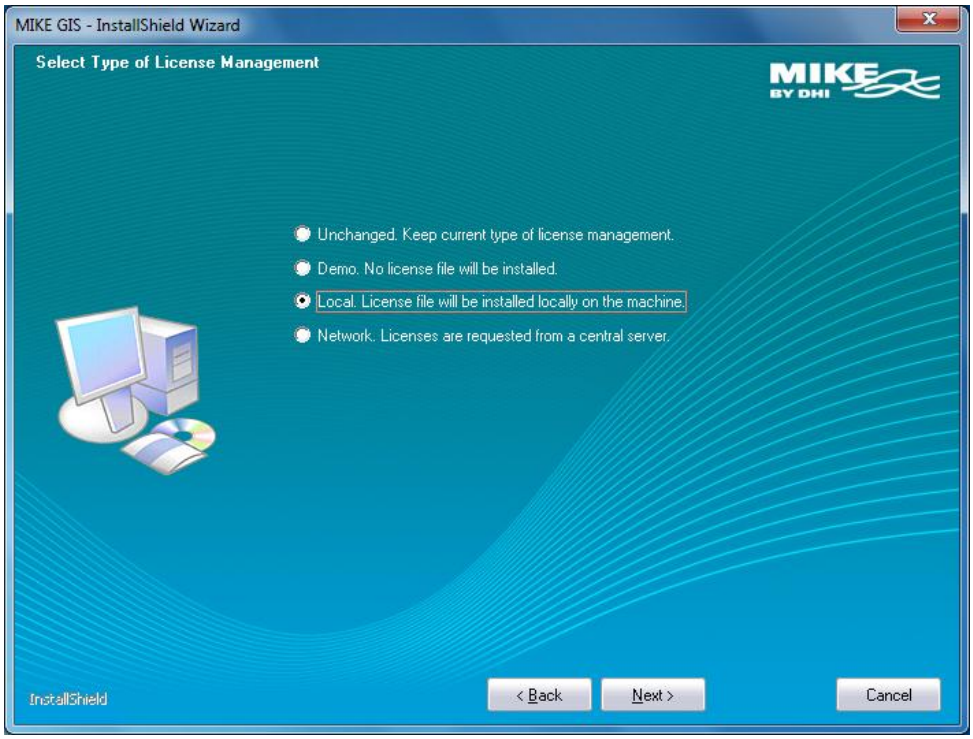
Click "Next" to proceed:


MIKE GIS - InstallShield Wizard
License Agreement
Please read the following license agreement carefully.
MIKE BY DHI
You are about to install one or more DHI copyrighted MIKE software products
After completion of this installation the product(s) will operate as Demo Version(s), unless a licence file and dongle is provided with the installation (on a separate diskette). The Demo Version is provided by DHI for evaluation purposes only. Any other use of the software requires that you obtain a licence from DHI and accept the MIKE by DHI licence conditions.
If you have already obtained a licence and a dongle from DHI and want to enable the Full Version of the software, then please read the following agreement, understand it, and agree to be bound by its terms and conditions:
MIKE by DHI LICENCE AGREEMENT
This is a legal agreement (Agreement) between you, the end-user and DHI.
BY OPENING THIS SEALED PACKAGE OR INSTALLING OR USING THE SOFTWARE, YOU ARE AGREEING TO BE BOUND BY THE TERMS OF THIS AGREEMENT. IF YOU DO NOT
I accept the terms of the license agreement
I do not accept the terms of the license agreement
Print
InstallShield
< Back
Next >
Cancel

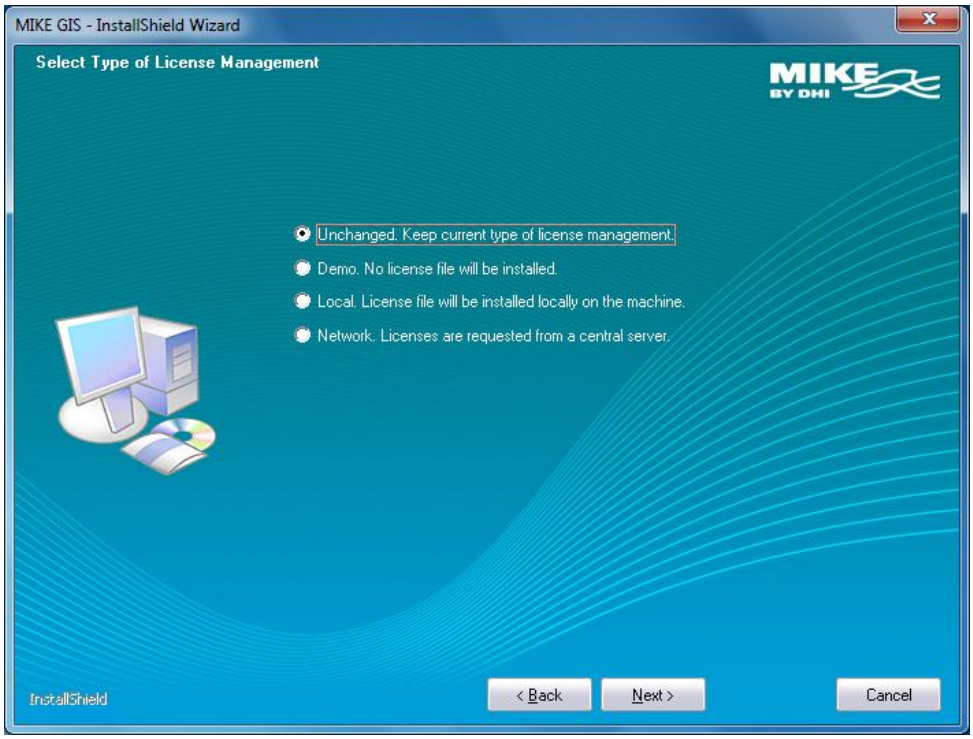
Read the license agreement and check "I accept the terms of the license agreement". Click "Next" to proceed.


MIKE GIS - InstallShield Wizard
License Agreement
Please read the following license agreement carefully.
MIKE BY DHI
You are about to install one or more DHI copyrighted MIKE software products
After completion of this installation the product(s) will operate as Demo Version(s), unless a licence file and dongle is provided with the installation (on a separate diskette). The Demo Version is provided by DHI for evaluation purposes only. Any other use of the software requires that you obtain a licence from DHI and accept the MIKE by DHI licence conditions.
If you have already obtained a licence and a dongle from DHI and want to enable the Full Version of the software, then please read the following agreement, understand it, and agree to be bound by its terms and conditions:
MIKE by DHI LICENCE AGREEMENT
This is a legal agreement (Agreement) between you, the end-user and DHI.
BY OPENING THIS SEALED PACKAGE OR INSTALLING OR USING THE SOFTWARE, YOU ARE AGREEING TO BE BOUND BY THE TERMS OF THIS AGREEMENT. IF YOU DO NOT
I accept the terms of the license agreement
Print
I do not accept the terms of the license agreement
InstallShield
< Back
Next >
Cancel

The license selection dialog shows up:

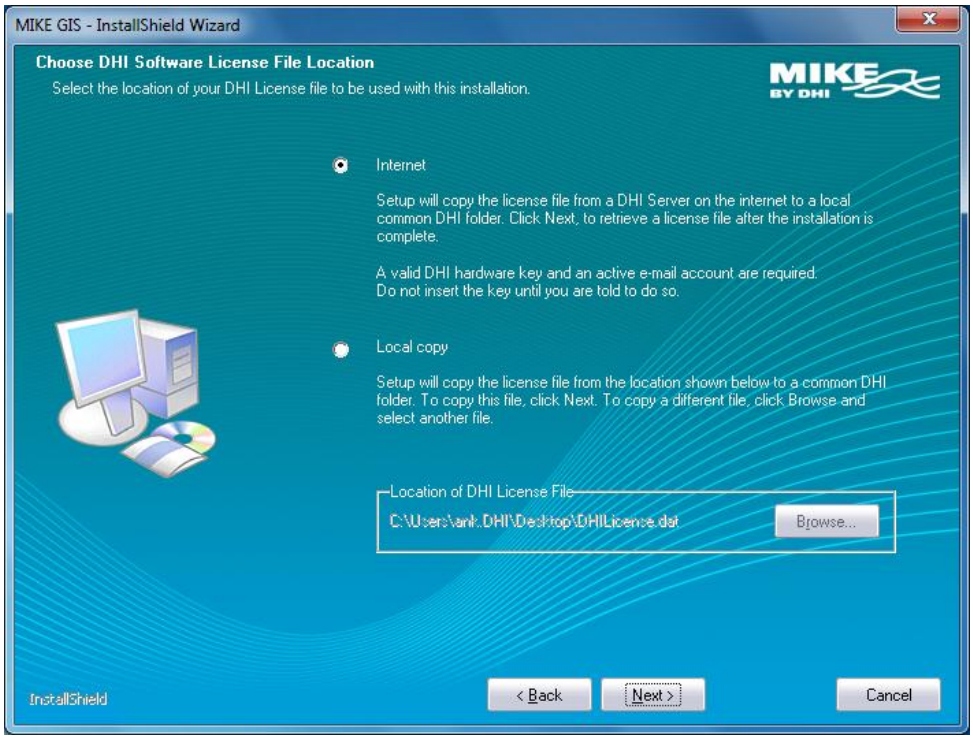

MIKE GIS - InstallShield Wizard
Select Type of License Management
MIKE BY DHI
Unchanged. Keep current type of license management.
Demo. No license file will be installed.
Local. License file will be installed locally on the machine.
Network. Licenses are requested from a central server.
InstallShield
< Back
Next >
Cancel

If you already have a valid DHI license installed select "Unchanged. Keep the current type of license management" followed by "Next".


MIKE GIS - InstallShield Wizard
Select Type of License Management
MIKE BY DHI
Unchanged. Keep current type of license management.
Demo. No license file will be installed.
Local. License file will be installed locally on the machine.
Network. Licenses are requested from a central server.
InstallShield
< Back
Next >
Cancel

Otherwise select "Local. License file will be installed locally on the machine"

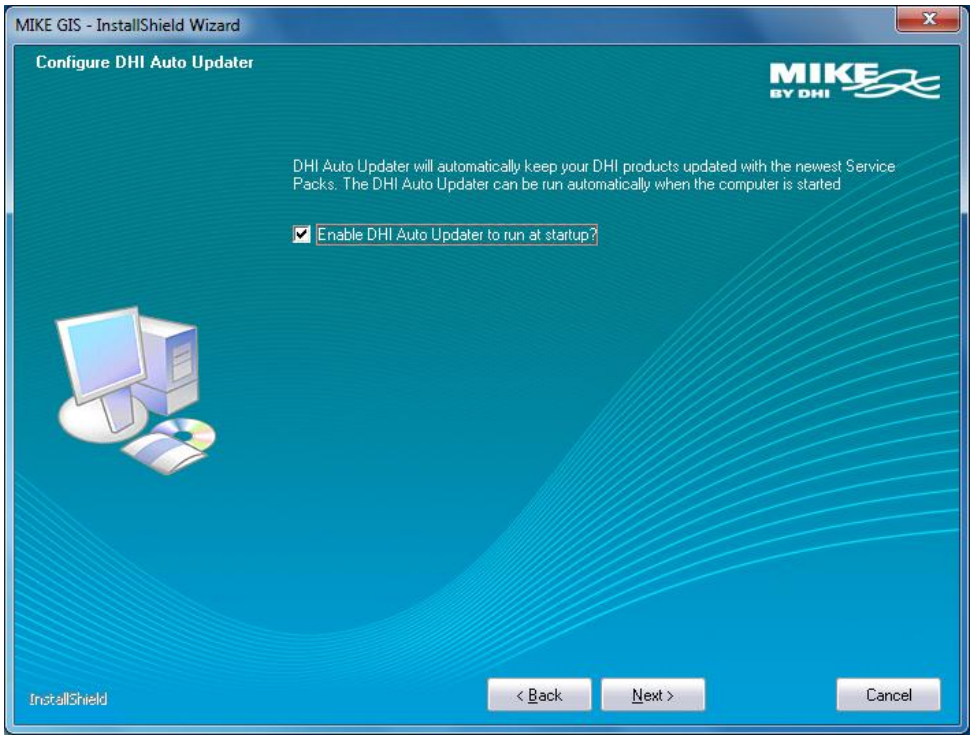
Click "Next" to continue as all computers shall run with a local license. The "License File Location" dialog is shown:


MIKE GIS - InstallShield Wizard
Choose DHI Software License File Location
Select the location of your DHI License file to be used with this installation.
MIKE BY DHI
Internet
Setup will copy the license file from a DHI Server on the internet to a local common DHI folder. Click Next, to retrieve a license file after the installation is complete.
A valid DHI hardware key and an active e-mail account are required. Do not insert the key until you are told to do so.
Local copy
Setup will copy the license file from the location shown below to a common DHI folder. To copy this file, click Next. To copy a different file, click Browse and select another file.
Location of DHI License File
C:\Users\ank.DHI\Desktop\DHILicence.dat
Browse...
InstallShield
< Back
Next >
Cancel

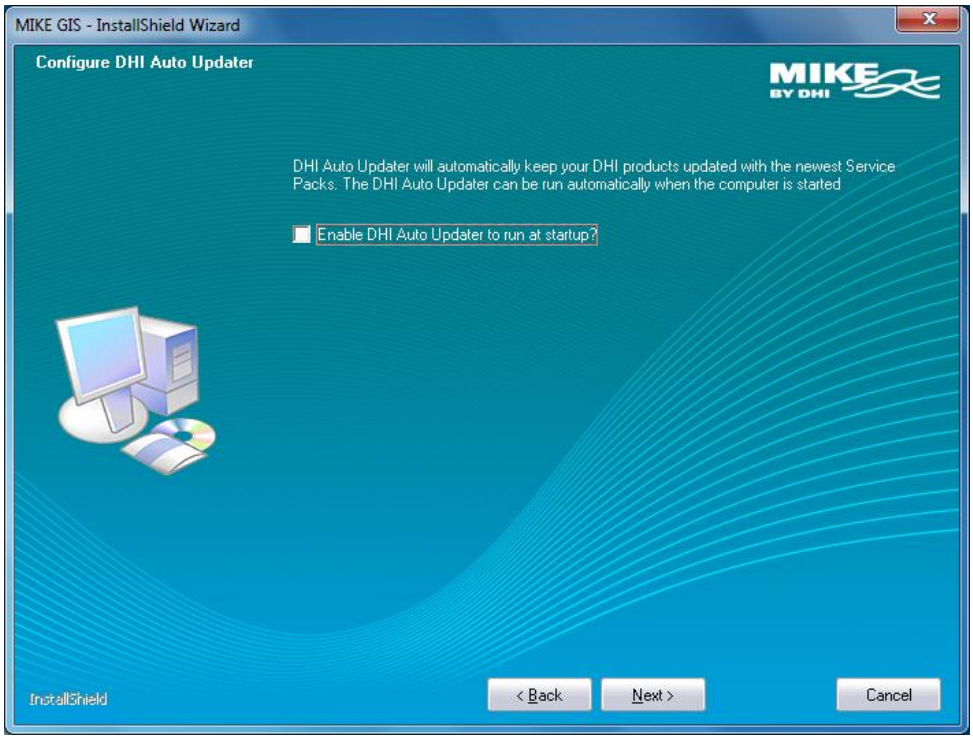
Select "Local copy" and click "Browse" to select the DHI license. Click "Open" to go back to the "License File Location" dialog and click "Next" to proceed.

Note: Contact DHI Software Suport in case you are entitled a license and don't have one. A USB dongle is also required.

The "Auto Update Configuration" dialog is shown:

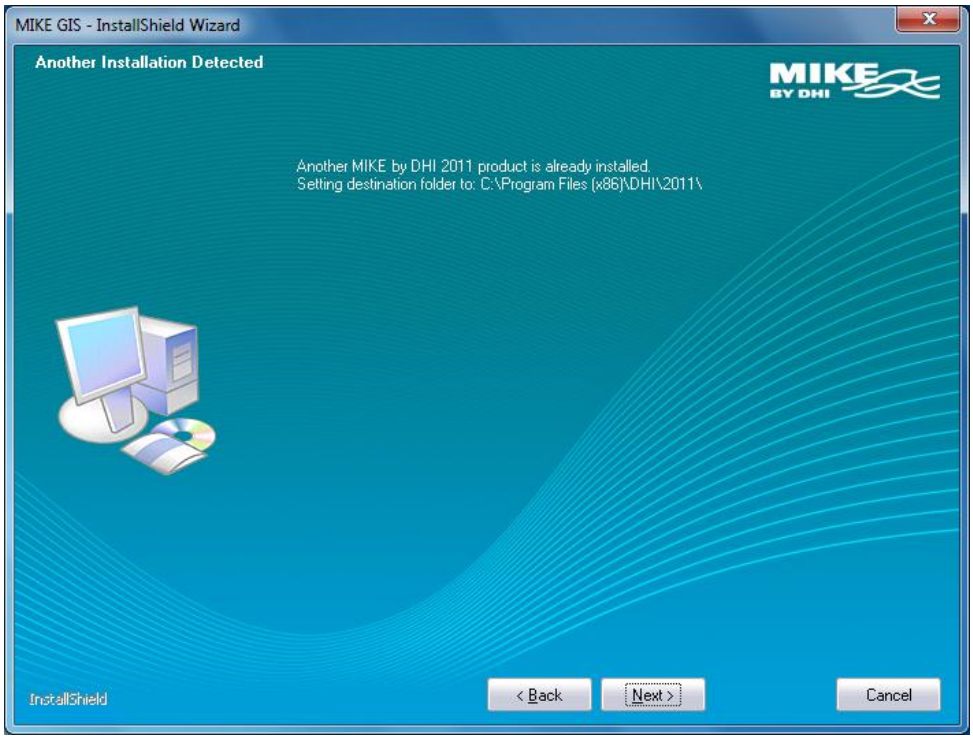

MIKE GIS - InstallShield Wizard
Configure DHI Auto Updater
MIKE BY DHI
DHI Auto Updater will automatically keep your DHI products updated with the newest Service Packs. The DHI Auto Updater can be run automatically when the computer is started
Enable DHI Auto Updater to run at startup?
InstallShield
< Back
Next >
Cancel

Uncheck "Enable DHI Auto Updater to run as startup".


MIKE GIS - InstallShield Wizard
Configure DHI Auto Updater
MIKE BY DHI
DHI Auto Updater will automatically keep your DHI products updated with the newest Service Packs. The DHI Auto Updater can be run automatically when the computer is started
Enable DHI Auto Updater to run at startup?
InstallShield
< Back
Next >
Cancel

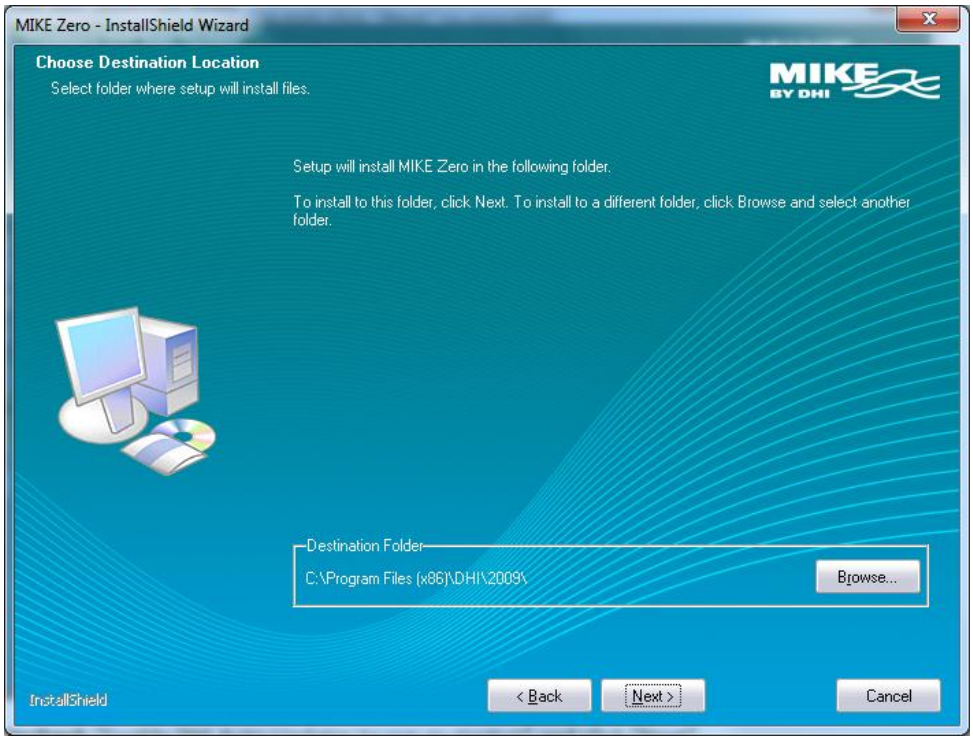
Click "Next".

If another MIKE by DHI product is installed the following dialog is shown:


MIKE GIS - InstallShield Wizard
Another Installation Detected
MIKE BY DHI
Another MIKE by DHI 2011 product is already installed.
Setting destination folder to: C:\Program Files (x86)\DHI\2011\
InstallShield
< Back
Next >
Cancel

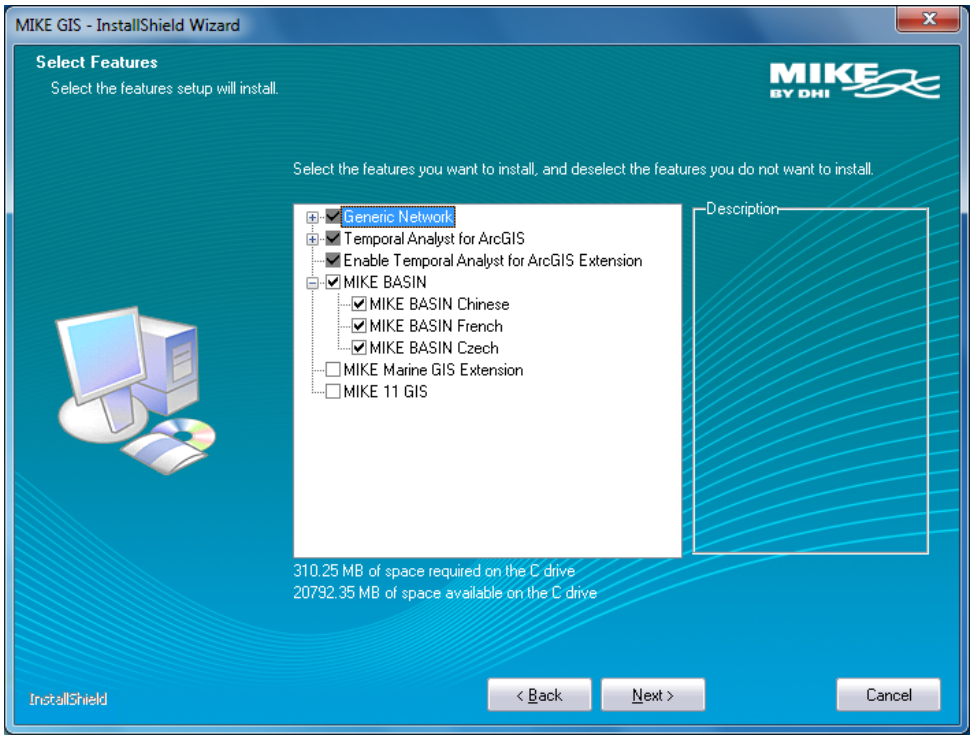
Click "Next" to proceed.

Otherwise, the following dialog is shown:


MIKE Zero - InstallShield Wizard
Choose Destination Location
Select folder where setup will install files.
MIKE BY DHI
Setup will install MIKE Zero in the following folder.
To install to this folder, click Next. To install to a different folder, click Browse and select another folder.
Destination Folder
C:\Program Files (x86)\DHI\2009\
Browse...
InstallShield
< Back
Next >
Cancel

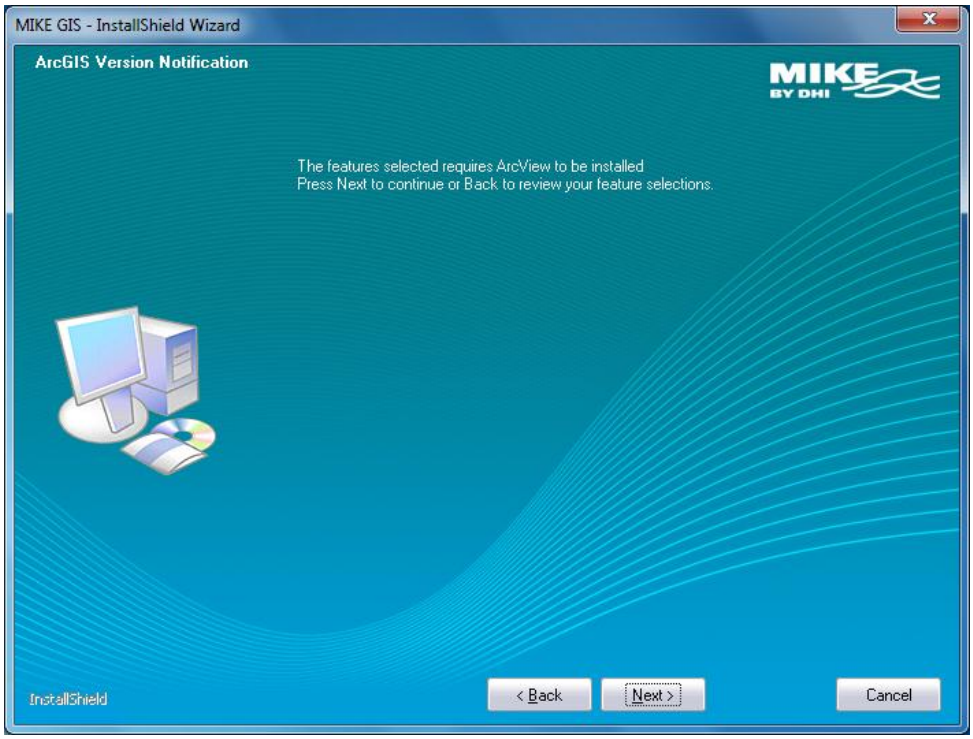
If you want to specify a different folder for the installation, click "Browse" and select a different folder in the dialog that shows up.

Click "Next" to proceed. The "Feature Selection" dialog is shown:

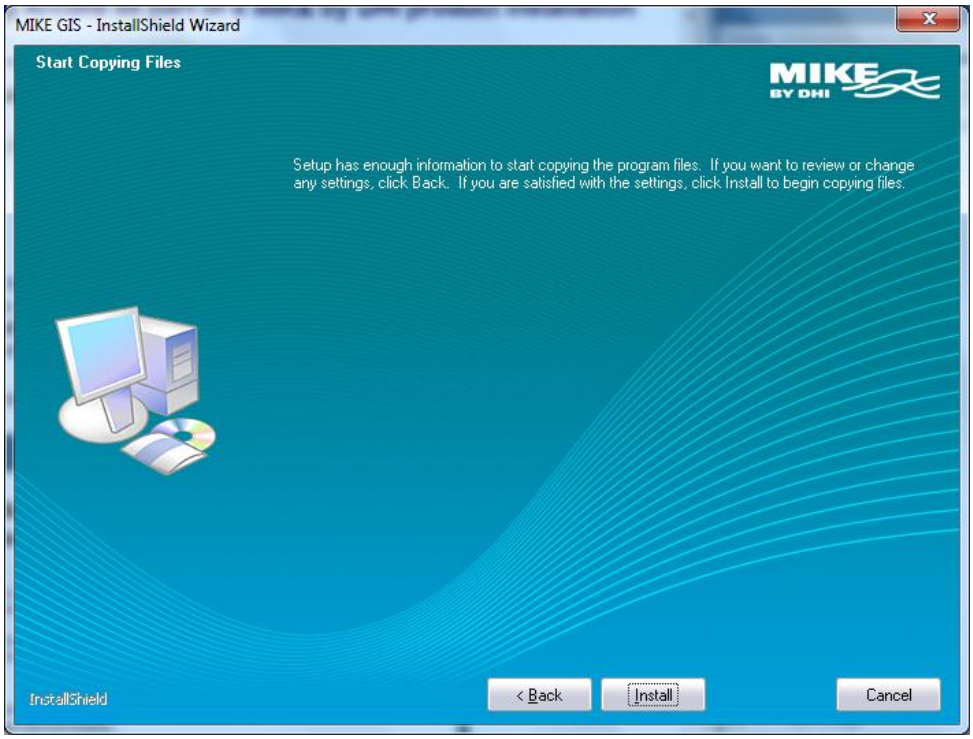

MIKE GIS - InstallShield Wizard
Select Features
Select the features setup will install.
MIKE BY DHI
Select the features you want to install, and deselect the features you do not want to install.
Generic Network
Temporal Analyst for ArcGIS
Enable Temporal Analyst for ArcGIS Extension
MIKE BASIN
MIKE BASIN Chinese
MIKE BASIN French
MIKE BASIN Czech
MIKE Marine GIS Extension
MIKE 11 GIS
Description
310.25 MB of space required on the C drive
20792.35 MB of space available on the C drive
InstallShield
< Back
Next >
Cancel

Make sure the selections are according to the dialog above and click "Next".

If ArcMap is not installed the dialog below is shown.

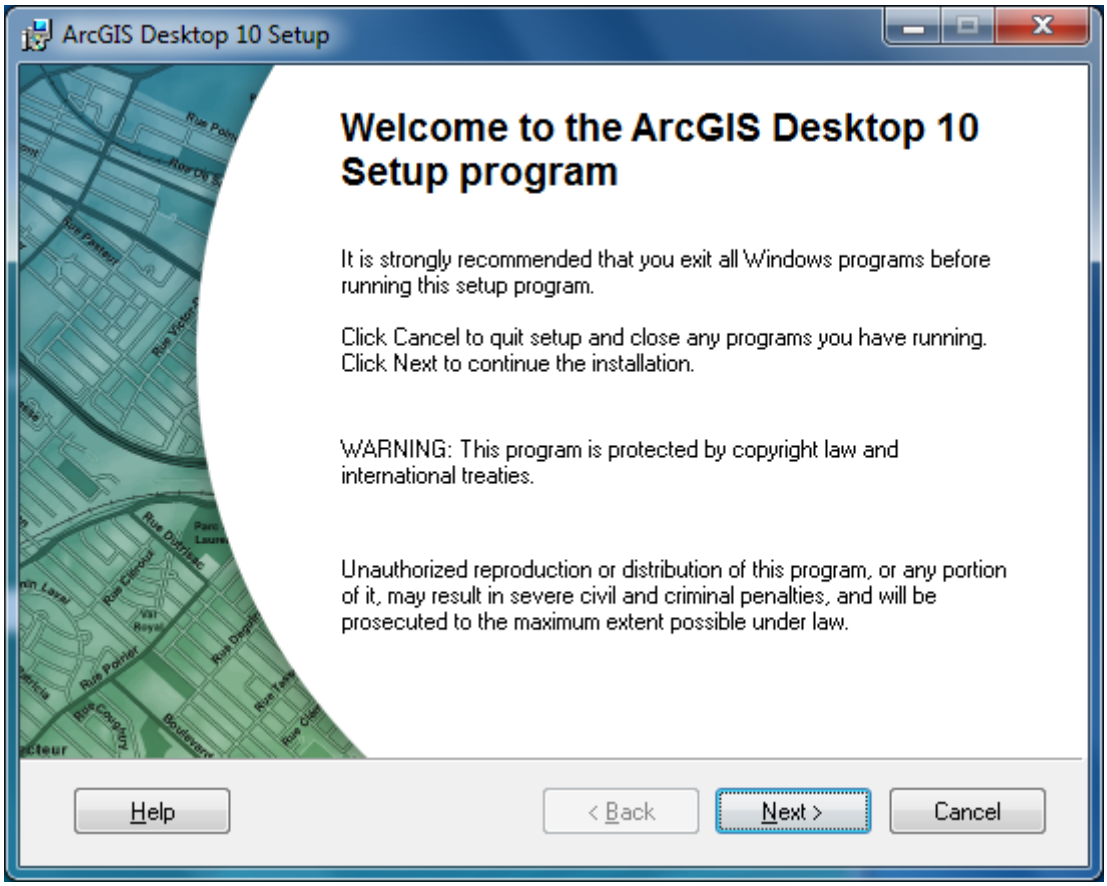

MIKE GIS - InstallShield Wizard
ArcGIS Version Notification
MIKE BY DHI
The features selected requires ArcView to be installed
Press Next to continue or Back to review your feature selections.
InstallShield
< Back
Next >
Cancel

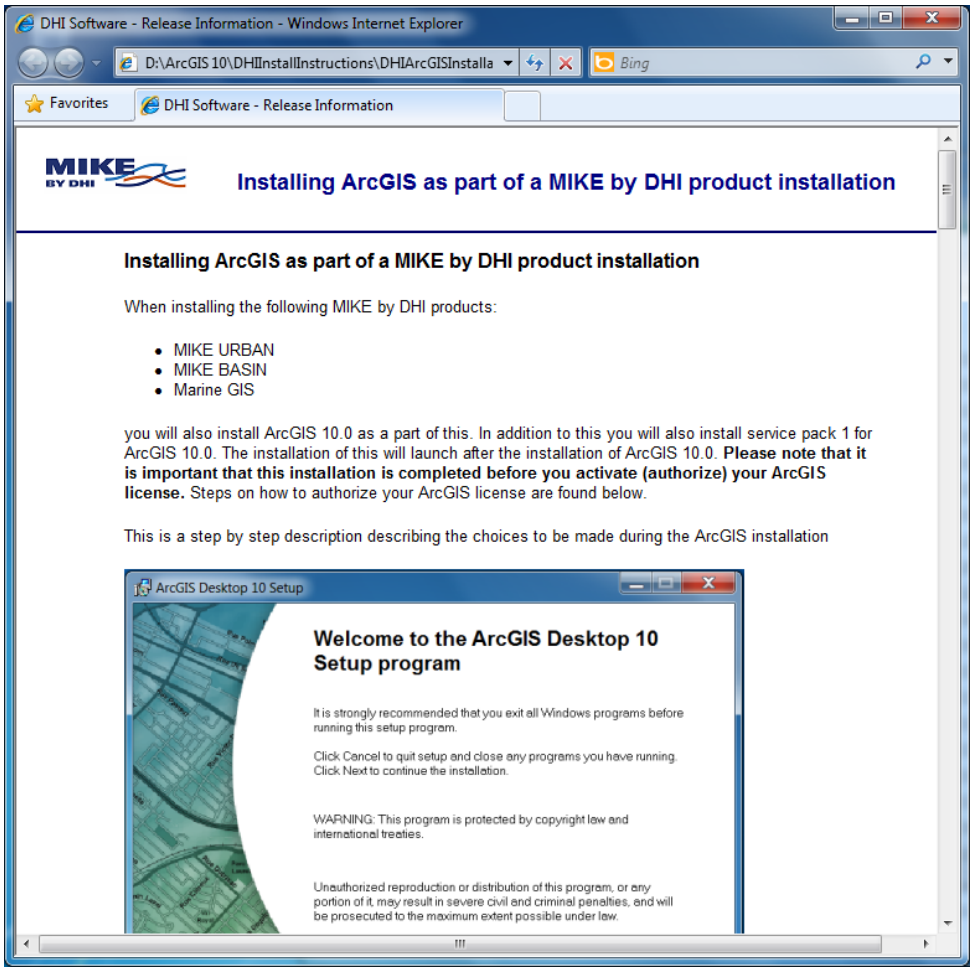
Click "Next":


MIKE GIS - InstallShield Wizard
Start Copying Files
MIKE BY DHI
Setup has enough information to start copying the program files. If you want to review or change any settings, click Back. If you are satisfied with the settings, click Install to begin copying files.
InstallShield
< Back
Install
Cancel

Click "Install".

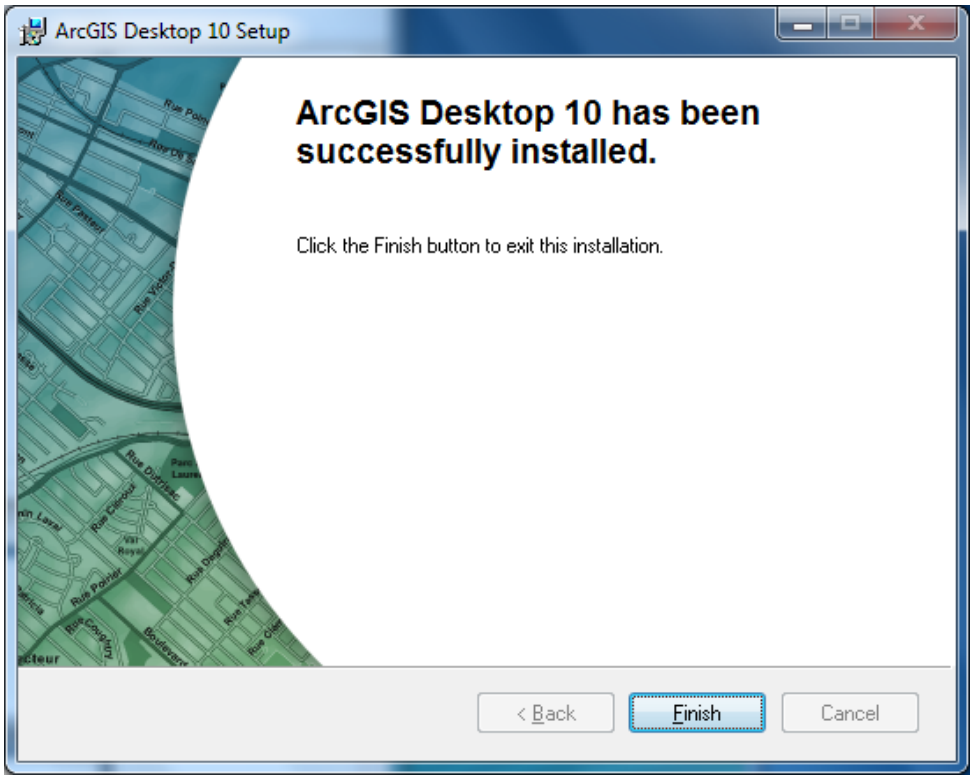
If ArcMap is not installed, ArcMap Installer is automatically launched as well as a page describing how to install ArcMap.


ArcGIS Desktop 10 Setup
Welcome to the ArcGIS Desktop 10 Setup program
It is strongly recommended that you exit all Windows programs before running this setup program.
Click Cancel to quit setup and close any programs you have running. Click Next to continue the installation.
WARNING: This program is protected by copyright law and international treaties.
Unauthorized reproduction or distribution of this program, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under law.
Help
< Back
Next >
Cancel


DHI Software - Release Information - Windows Internet Explorer
D:\ArcGIS 10\DHIInstallInstructions\DHIArcGISInstalla
Bing
Favorites
DHI Software - Release Information
Installing ArcGIS as part of a MIKE by DHI product installation
Installing ArcGIS as part of a MIKE by DHI product installation
When installing the following MIKE by DHI products:
MIKE URBAN
MIKE BASIN
Marine GIS
you will also install ArcGIS 10.0 as a part of this. In addition to this you will also install service pack 1 for ArcGIS 10.0. The installation of this will launch after the installation of ArcGIS 10.0. Please note that it is important that this installation is completed before you activate (authorize) your ArcGIS license. Steps on how to authorize your ArcGIS license are found below.
This is a step by step description describing the choices to be made during the ArcGIS installation
ArcGIS Desktop 10 Setup
Welcome to the ArcGIS Desktop 10 Setup program
It is strongly recommended that you exit all Windows programs before running this setup program.
Click Cancel to quit setup and close any programs you have running. Click Next to continue the installation.
WARNING: This program is protected by copyright law and international treaties.
Unauthorized reproduction or distribution of this program, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under law.

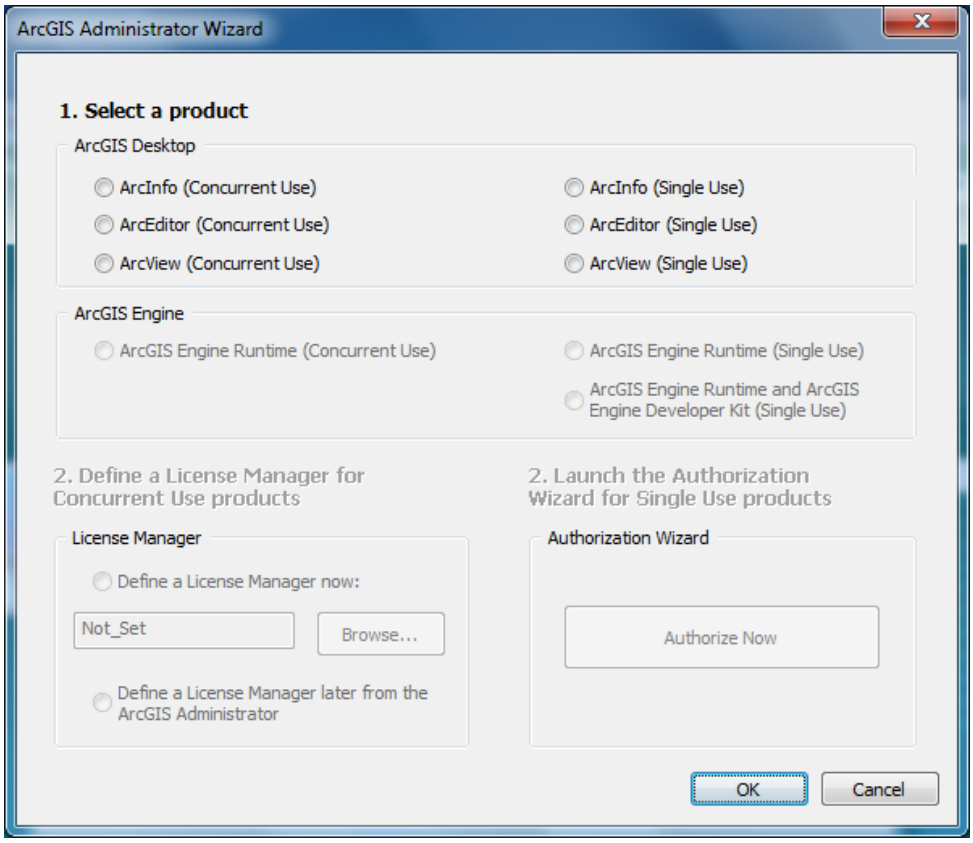
Follow the instruction on this page to install ArcMap.

When ArcMap installation is completed, the following dialog is shown:



Click "Finish":

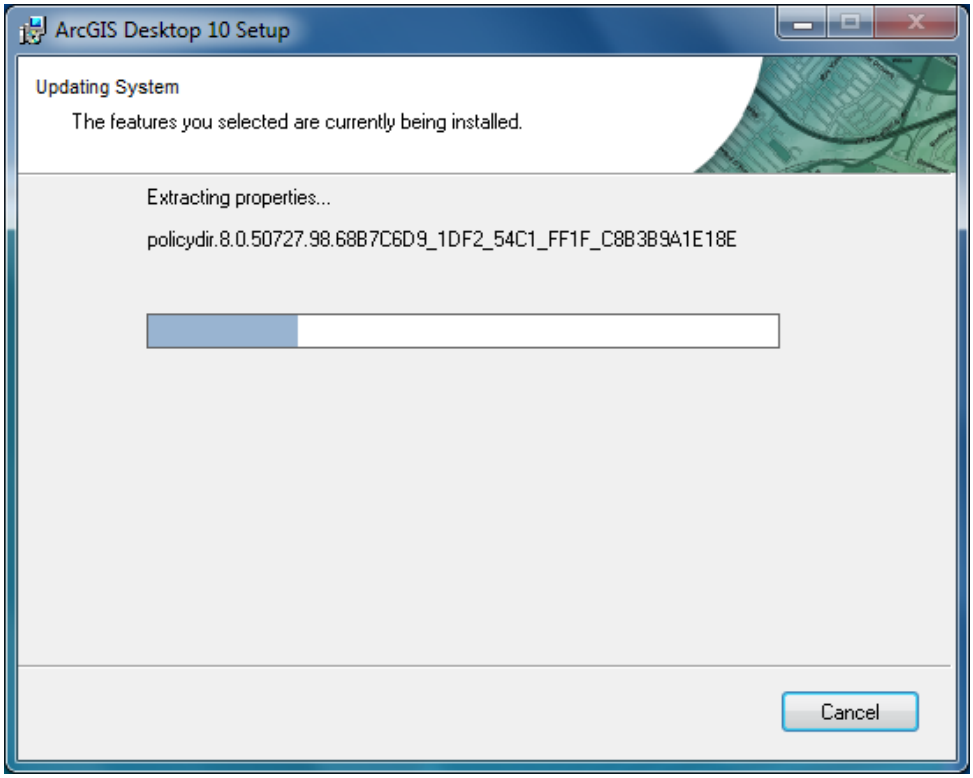
Note: At the same time, ArcMap Service pack installation starts automatically and finishes without user intervention.



The license must be registered through the DHI License Administration later, so click

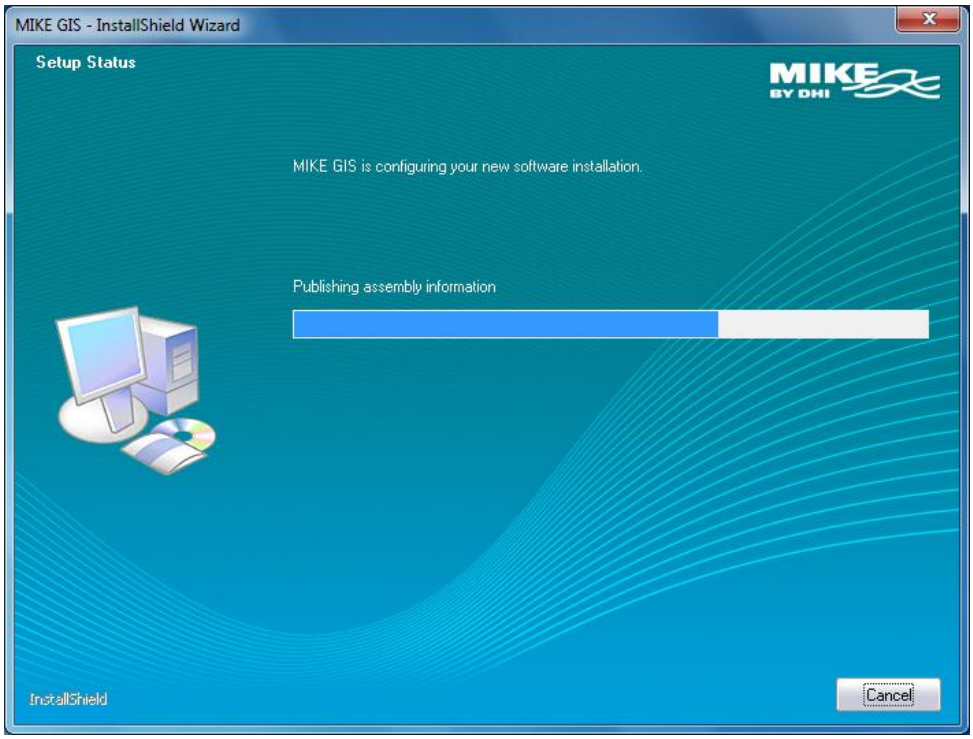
”Cancel”.

Note: Contact DHI Software Support in case you are entitled a license and do not have one.

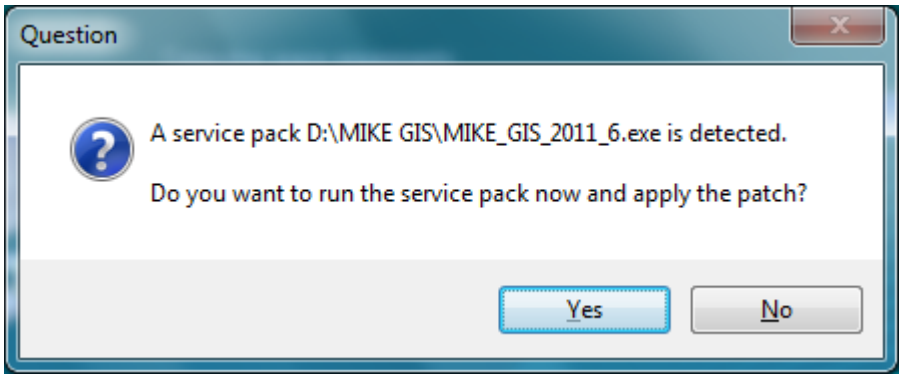


If ArcMap service pack installation is still running, wait for its completion**.**

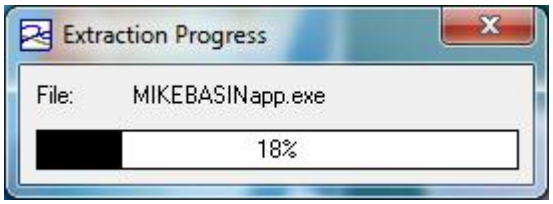
Completing the ArcGIS installation will let the MIKE BASIN installer continue installation.



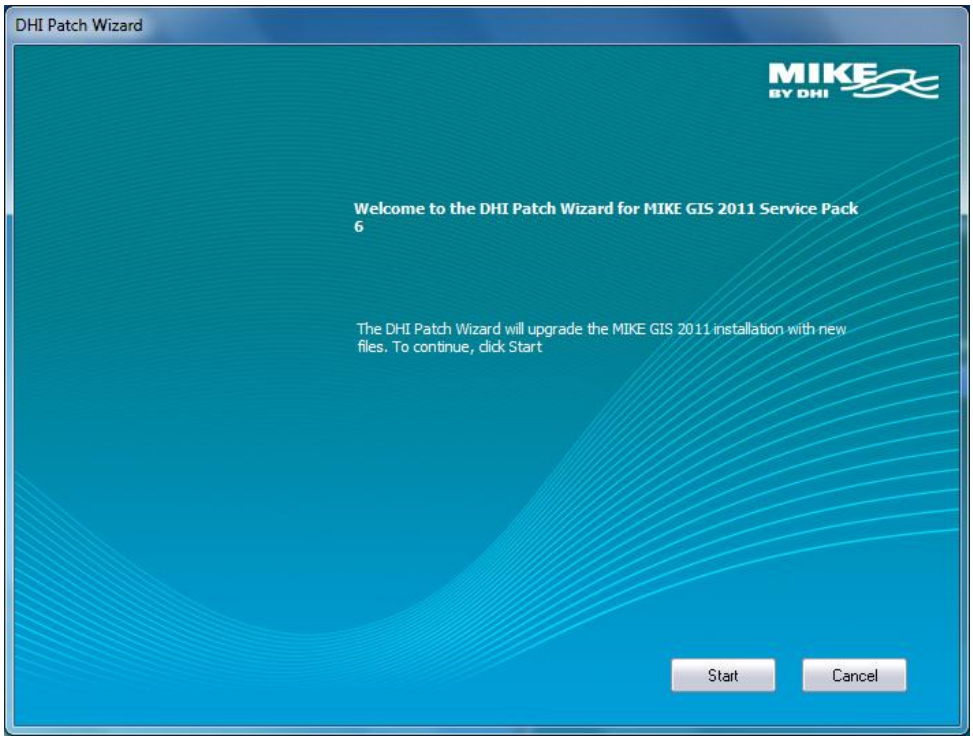
Since the DHI installation comes with service packs, the following dialog is shown:


Question
A service pack D:\MIKE GIS\MIKE_GIS_2011_6.exe is detected.
Do you want to run the service pack now and apply the patch?
Yes
No

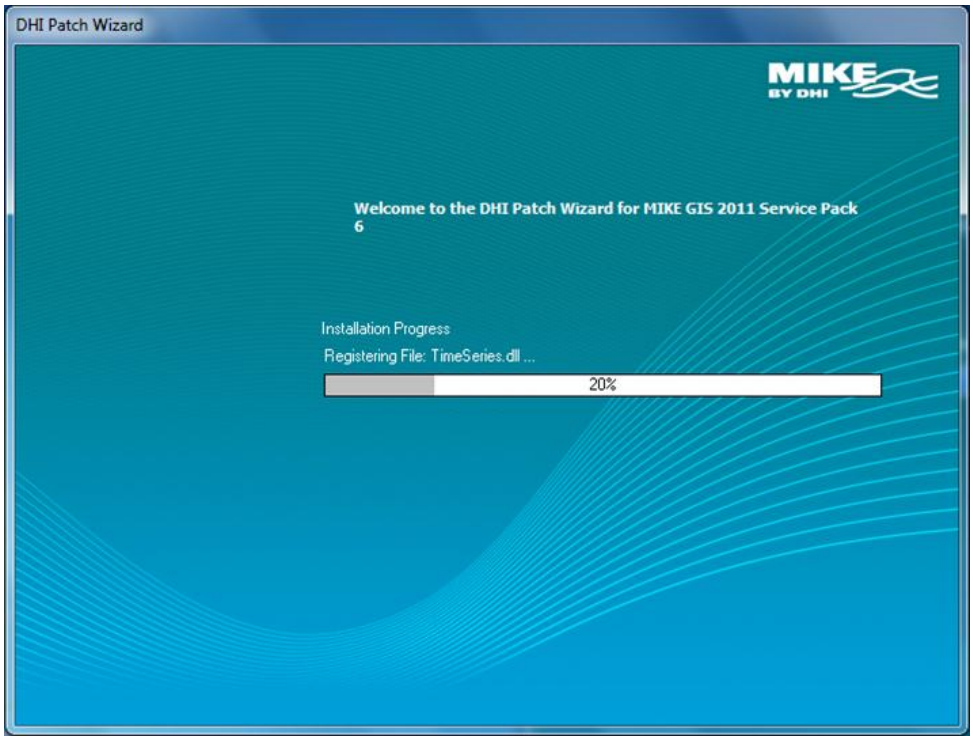
Click "Yes" to install the service pack. Service pack files are extracted:



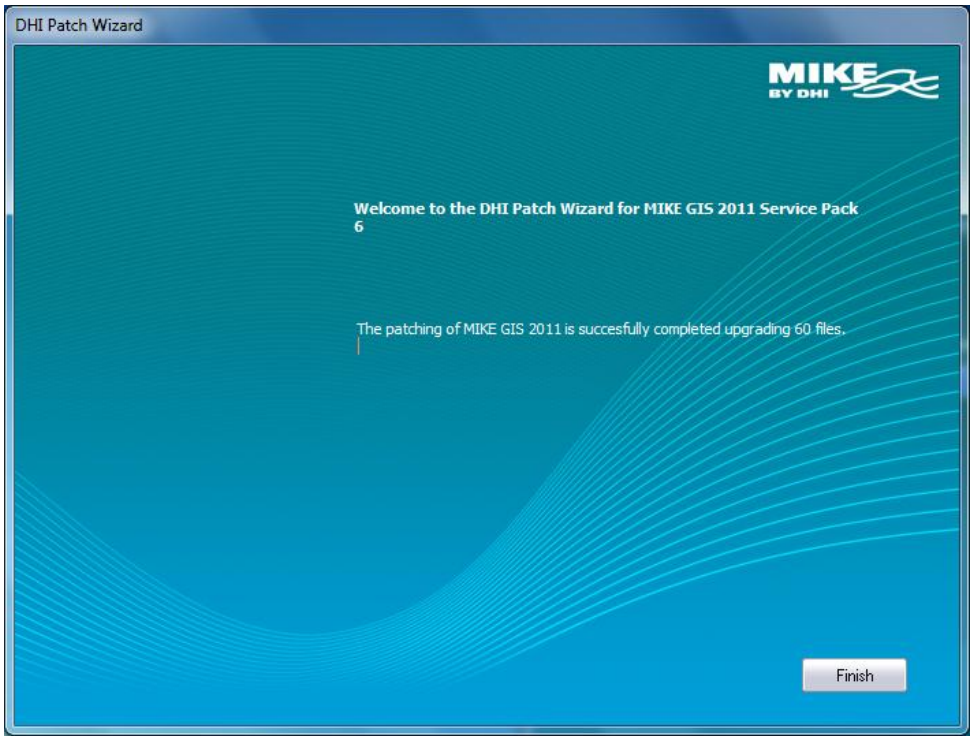
When all files are extracted the "Service Pack Installation" wizard is shown:


DHI Patch Wizard
MIKE BY DHI
Welcome to the DHI Patch Wizard for MIKE GIS 2011 Service Pack 6
The DHI Patch Wizard will upgrade the MIKE GIS 2011 installation with new files. To continue, click Start
Start
Cancel

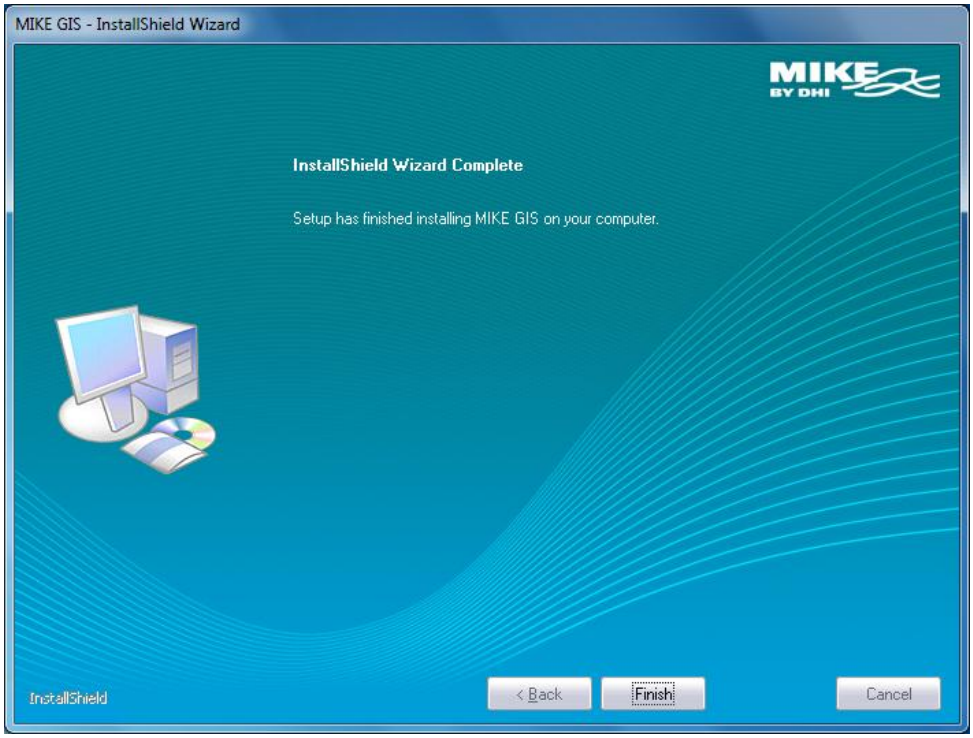
Click "Start" to initiate installation of the service pack. The installation dialog providing progress information shows up:


DHI Patch Wizard
MIKE BY DHI
Welcome to the DHI Patch Wizard for MIKE GIS 2011 Service Pack 6
Installation Progress
Registering File: TimeSeries.dll ...
20%

When finished, the last dialog for the service pack installation is shown:


DHI Patch Wizard
MIKE BY DHI
Welcome to the DHI Patch Wizard for MIKE GIS 2011 Service Pack 6
The patching of MIKE GIS 2011 is succesfully completed upgrading 60 files.
Finish

Click "Finish".



The last dialog for the MIKE GIS installation is shown. Click "Finish".

A new folder called "MIKE by DHI 2011" is created under "All Programs" in the "Start menu". With a subfolder called "MIKE GIS" Follow the MIKE BASIN instructions and user manual on how to use these.

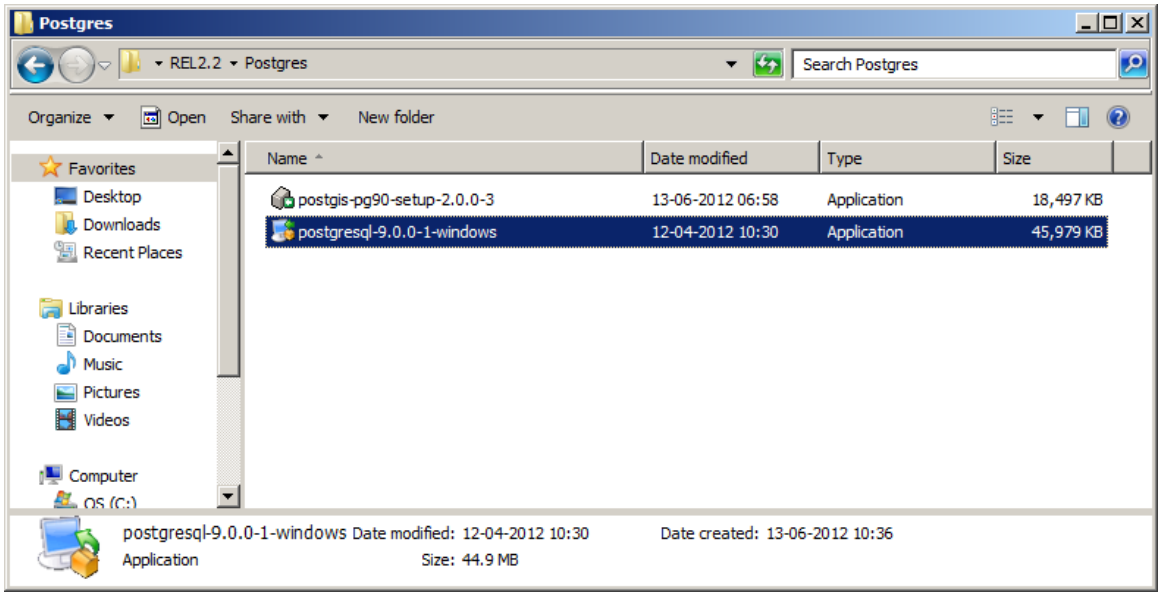
When new services packs are available for MIKE BASIN do not install them unless DHI recommends the upgrade. In such case, launch the service pack installation by double clicking on the service pack installer executable and follow the procedure as described

above.

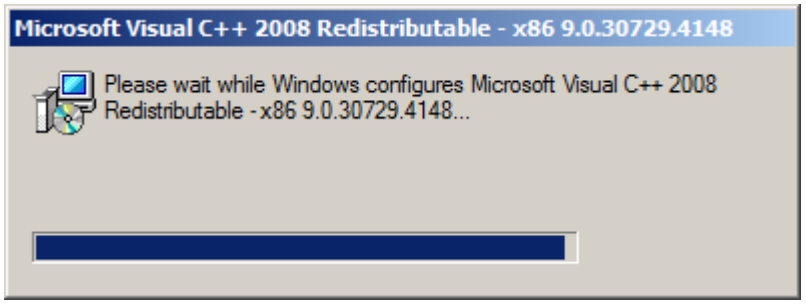
4 DATABASE SERVER INSTALLATION

4.1 PostgreSQL

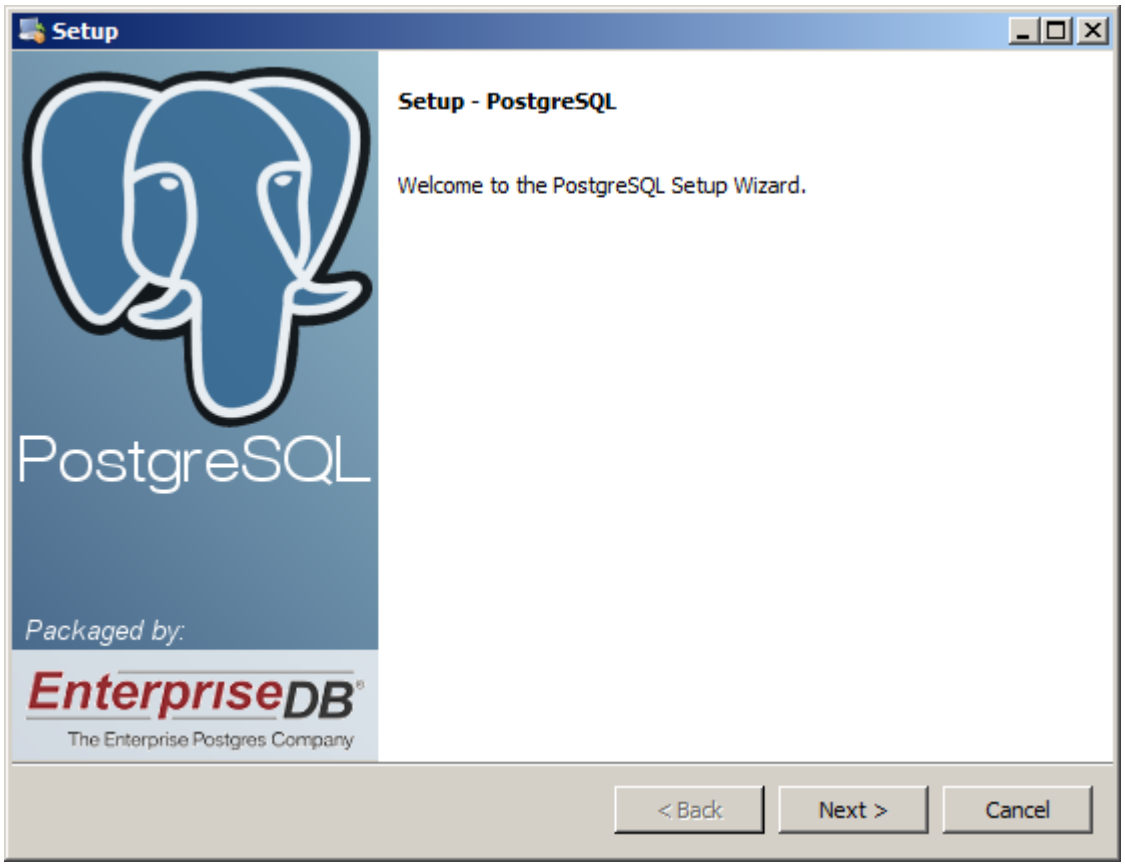
Locate and double-click the "postgresql-9.0.0-1-windows.exe" (if file extensions are being shown):



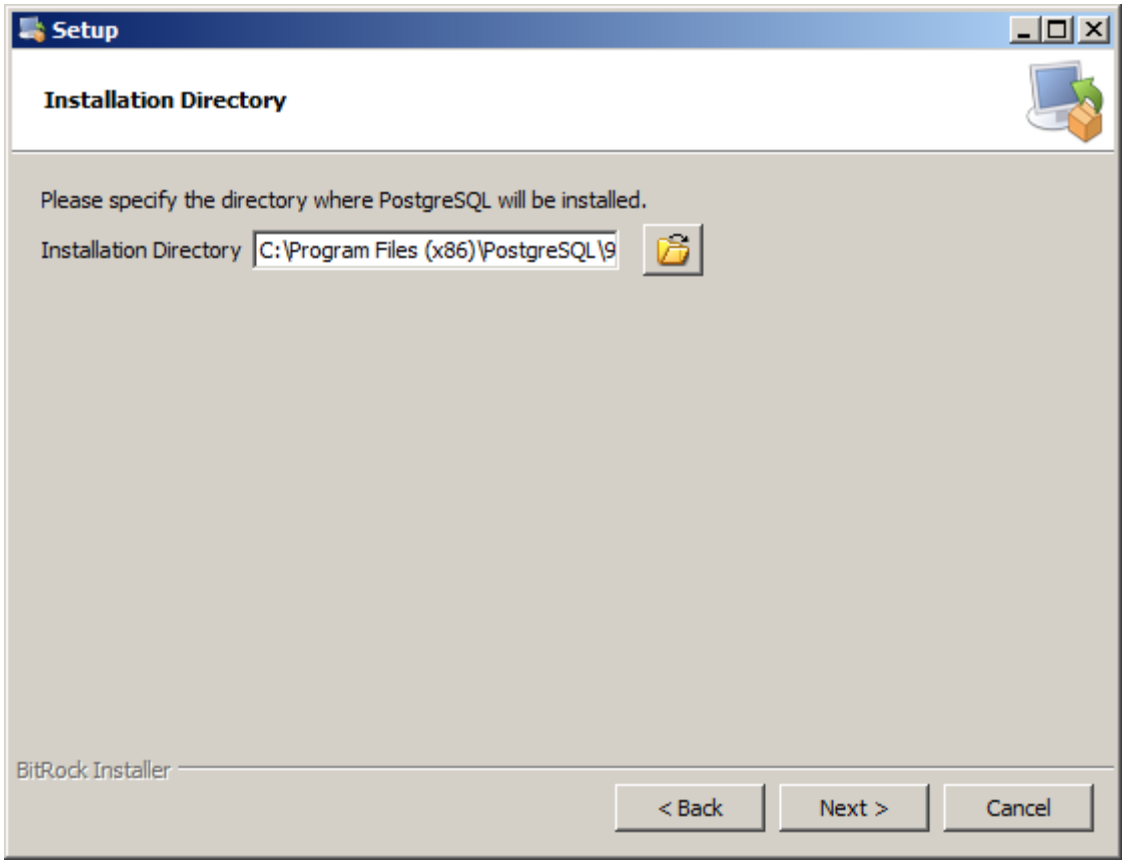
Some pre-requisites may be automatically installed. In such case a dialog similar to the one below is shown:


Microsoft Visual C++ 2008 Redistributable - x86 9.0.30729.4148
Please wait while Windows configures Microsoft Visual C++ 2008 Redistributable - x86 9.0.30729.4148...

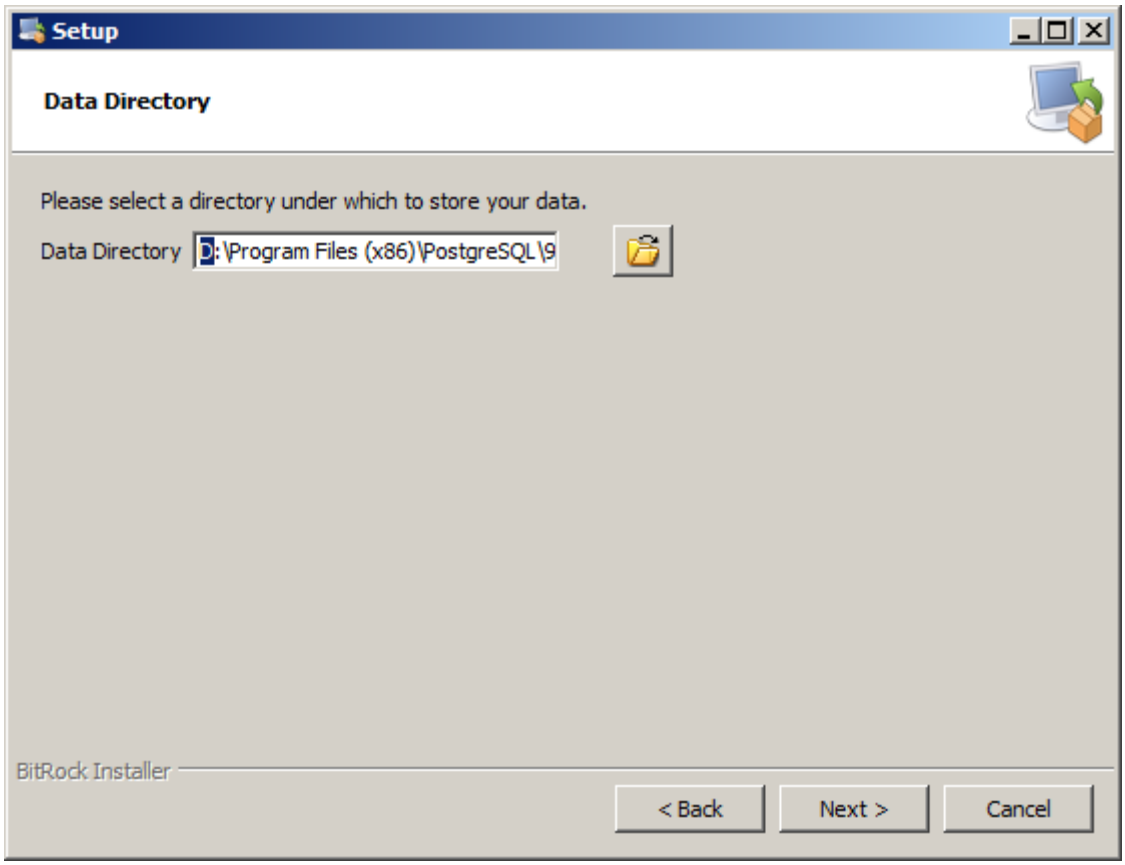
After all pre-requisites are installed the following dialog is shown:



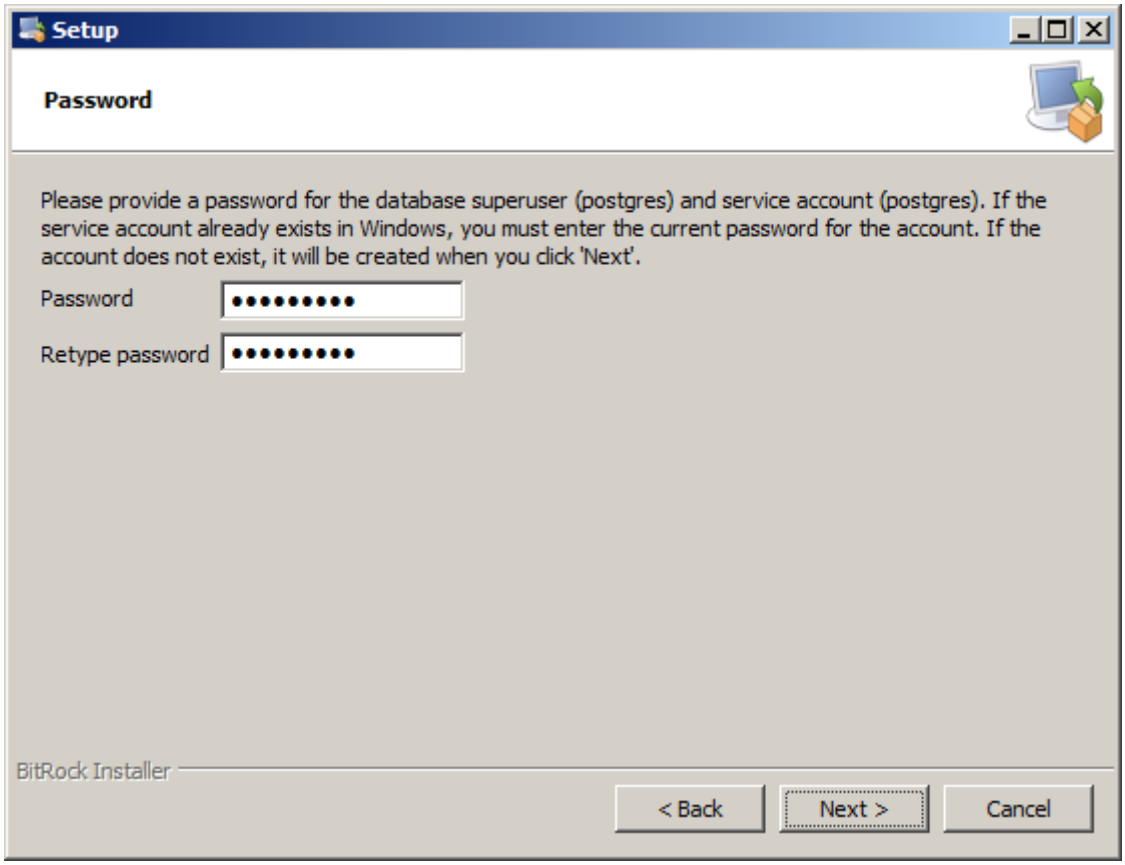
Click "Next":



Accept the default "Installation Directory" by clicking "Next":



Change the drive for the data to D and click "Next":


Setup
Password
Please provide a password for the database superuser (postgres) and service account (postgres). If the service account already exists in Windows, you must enter the current password for the account. If the account does not exist, it will be created when you click 'Next'.
Password
Retype password
BitRock Installer
< Back
Next >
Cancel

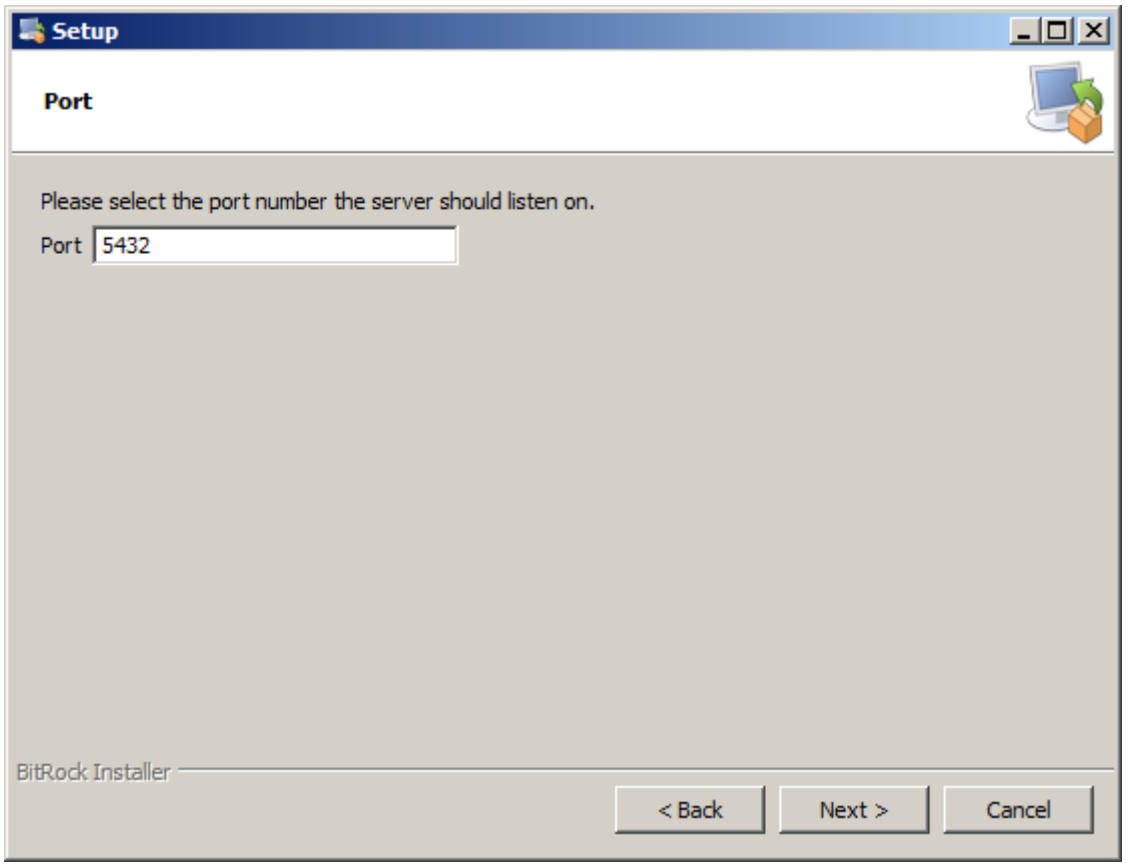
Type in the password for the postgres user (the administrator for the database server).

This password needs to be compliant with the domain policy for passwords if the computer belongs to domain. In such case, password shall contain capital letters, small letters and numbers.

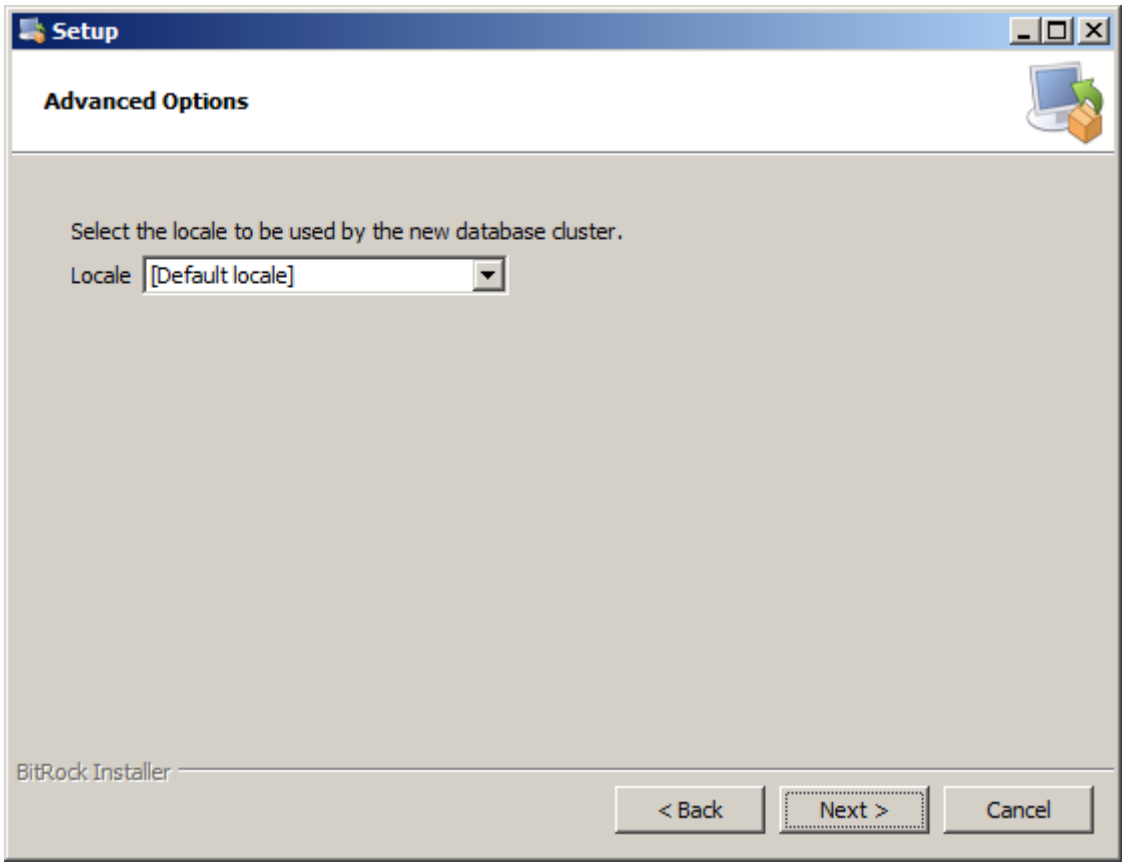
Make the password different from the password for currently logged in windows account (you own).

The password chose for the initial version of the database server is "DssAdmin1". If this needs to be changed for some reason make sure both the Windows Account and the corresponding PostgreSQL account change to the same password.

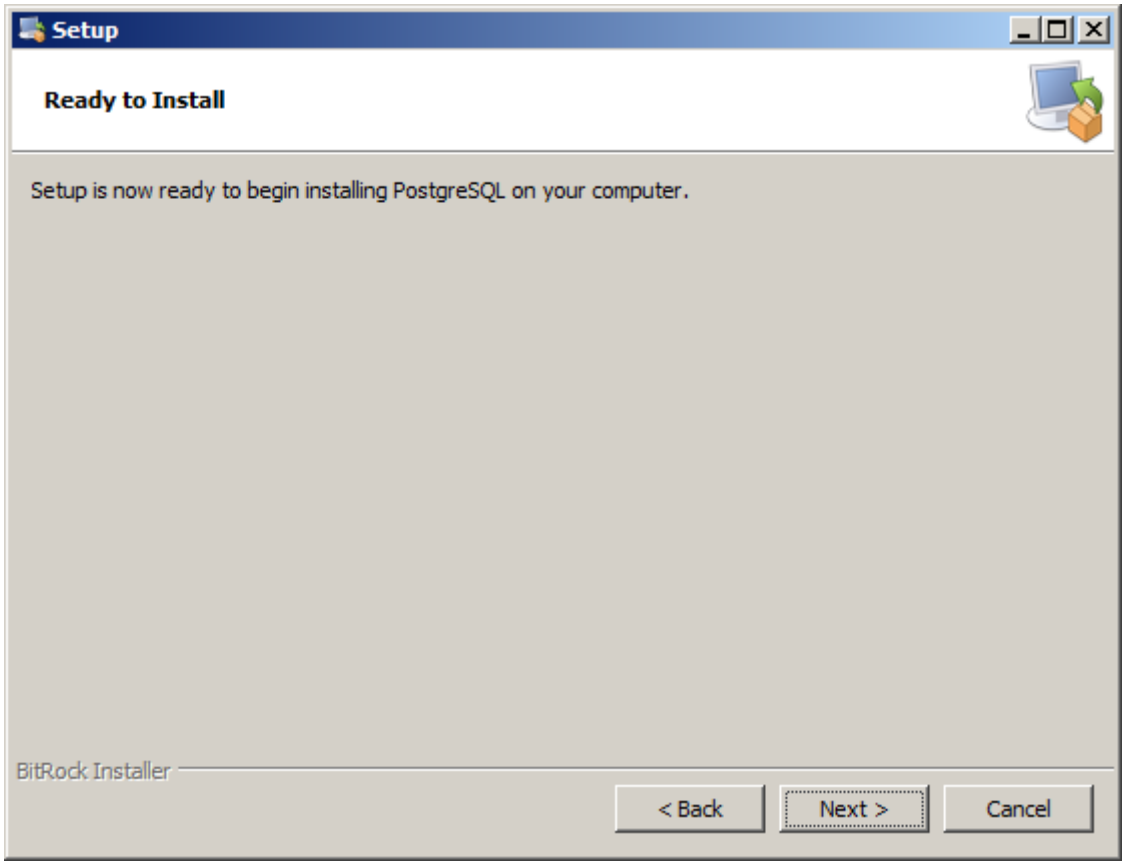
Click "Next" to proceed:



Accept the default "Port" by clicking "Next":

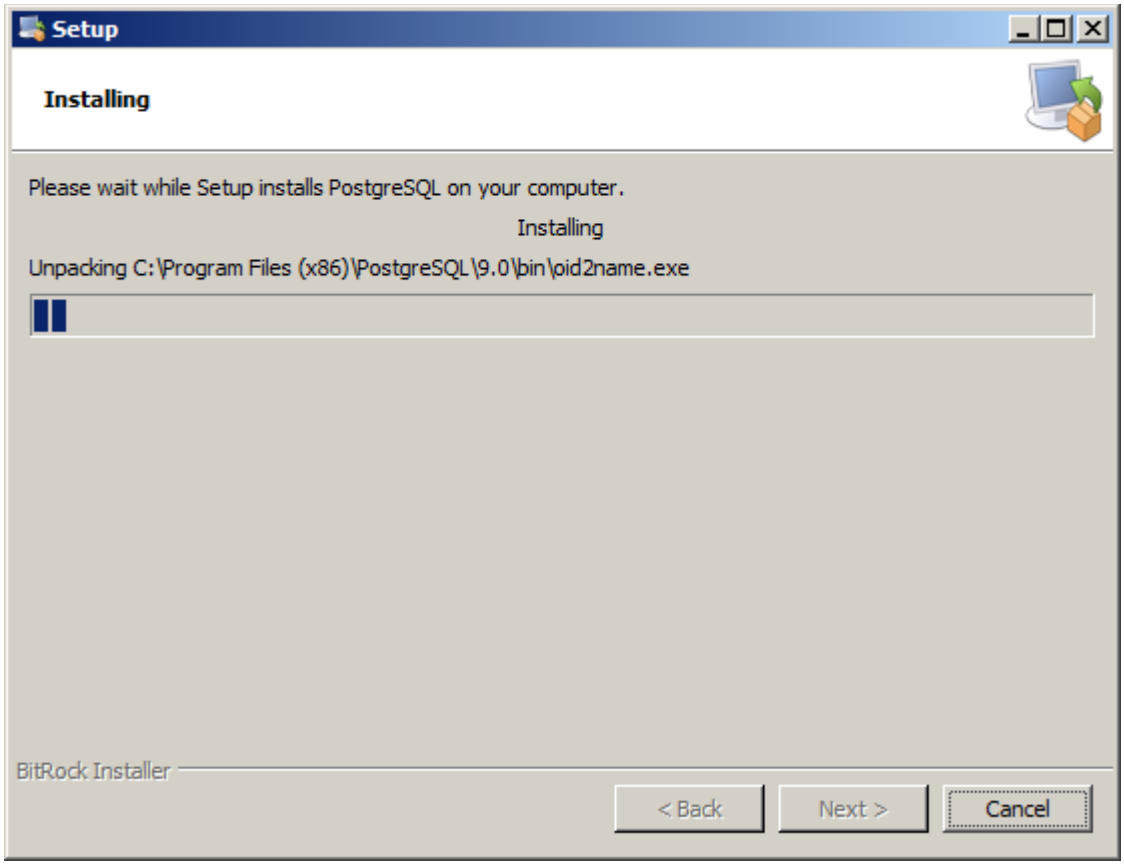


Accept the default "Locale" by clicking "Next". The "Ready to Install" dialog is shown:

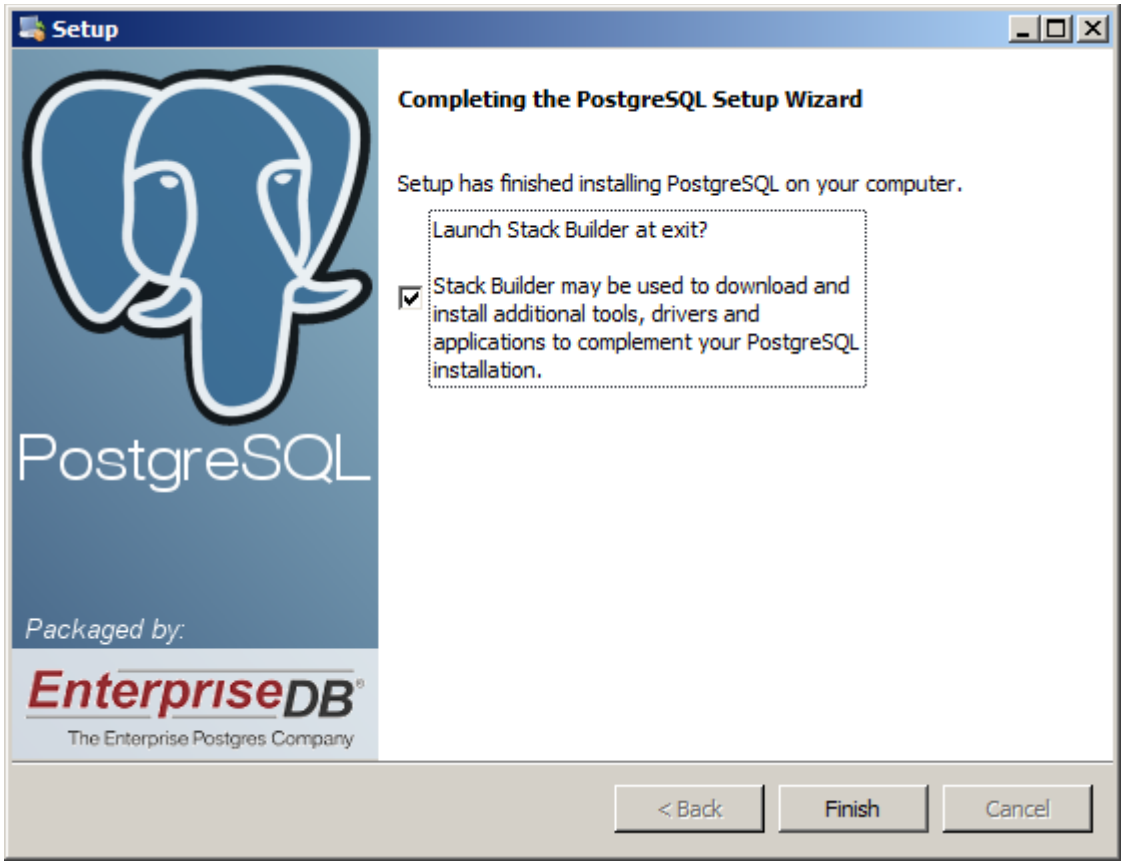


Click "Next" to start installation. The installation dialog providing progress information

shows up:

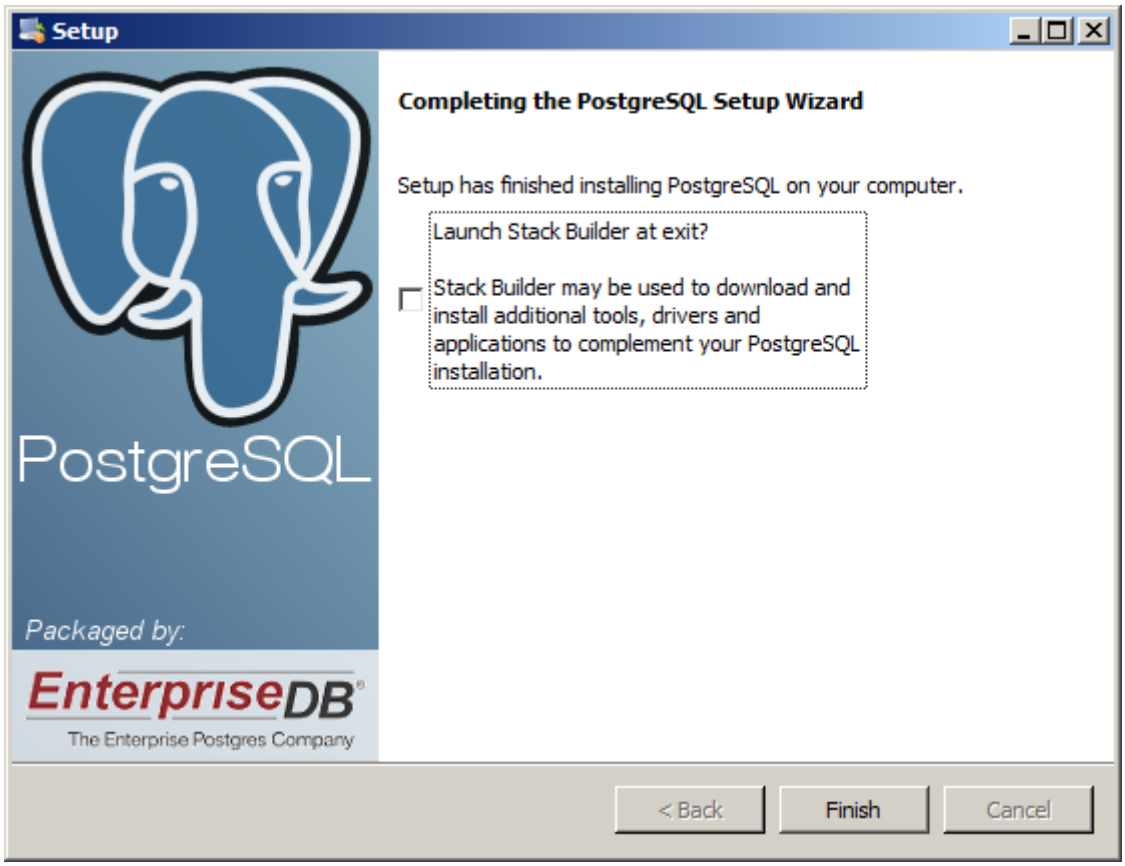


When installation is done, the following dialog is shown:


Setup
PostgreSQL
Packaged by:
EnterpriseDB
The Enterprise Postgres Company
Completing the PostgreSQL Setup Wizard
Setup has finished installing PostgreSQL on your computer.
Launch Stack Builder at exit?
Stack Builder may be used to download and install additional tools, drivers and applications to complement your PostgreSQL installation.
< Back
Finish
Cancel

Although we could install PostGIS using the "Stack Builder" this would require an internet connection and thus we suggest installing PostGIS from the installer in the Installation CD as described in the next section.

Uncheck "Launch Stack Builder at exit?"

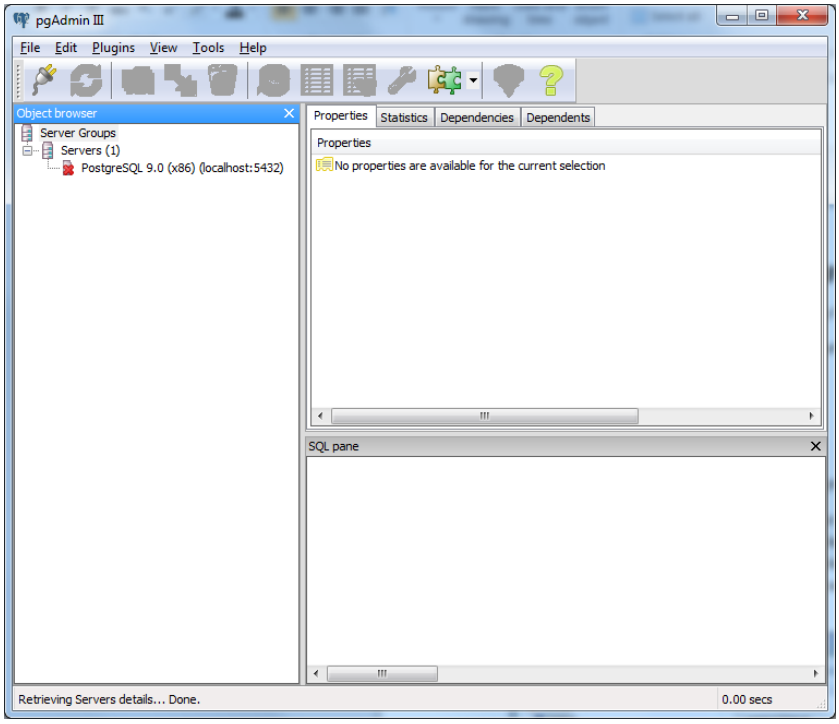

Setup
Completing the PostgreSQL Setup Wizard
Setup has finished installing PostgreSQL on your computer.
Launch Stack Builder at exit?
Stack Builder may be used to download and install additional tools, drivers and applications to complement your PostgreSQL installation.
PostgreSQL
Packaged by:
EnterpriseDB
The Enterprise Postgres Company
< Back
Finish
Cancel

Click "Finish" to exit the installation.

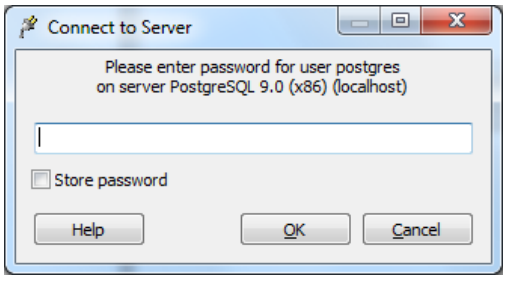
4.2 Configuring Binary format in PostgreSQL

The default format for binary data supported by PostgreSQL is not compatible with PostGIS.

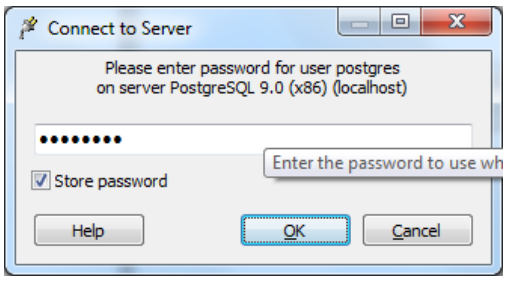
Start "PGAdmin III" by clicking on "Windows Start" menu, followed by "All Programs", PostgreSQL 9.0 (x86) and finally "pgAdmin III". The main PGAdmin window is shown:



Double click on the node for the server in your machine (it should be the only one) named PostgreSQL 9.0 (x86) (localhost:5432):



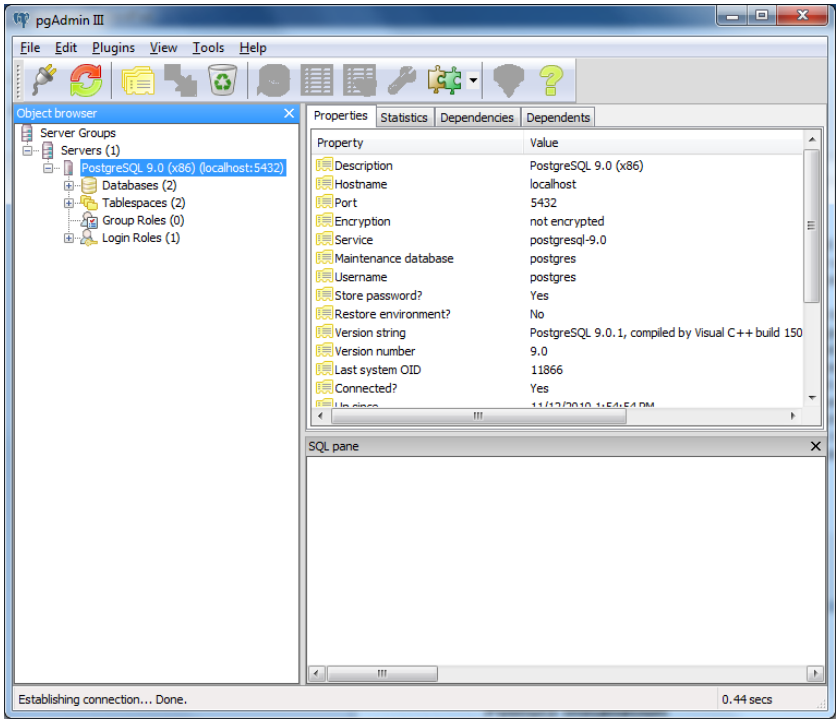
Type in the password for the postgres user and check "Store password".



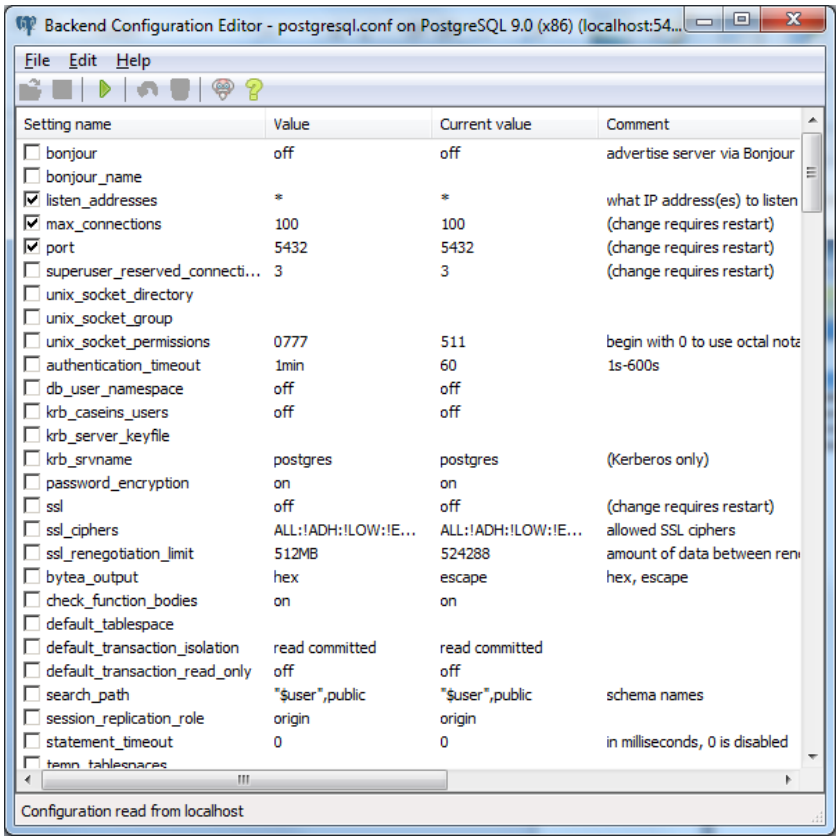
Click "OK". The following dialog is shown:

Guru Hint - Saving passwords
Saving passwords
WARNING: You have opted to save your password. It will be stored in plain text in your home directory on *nix systems, or in your user profile on Windows. If you do not want this to happen, please press the Cancel button.
pgAdmin uses PostgreSQL's 'pgpass' mechanism to store your passwords. On *nix systems, the password will be stored in ~/.pgpass, whilst on Windows systems it will be stored in %APPDATA%\PostgreSQL\pgpass.conf (%APPDATA% is the 'Application Data' folder in your user profile). This mechanism is used by default by all programs that use the libpq library to access the server, which includes command line applications such as pg_dump and pg_restore, other GUI applications, and drivers such as psqlODBC. This means that those applications may automatically connect to the server using your stored password. If you do not want this to happen, you should not use the Store Password option in pgAdmin.
Do not show this hint again
Help
OK
Cancel

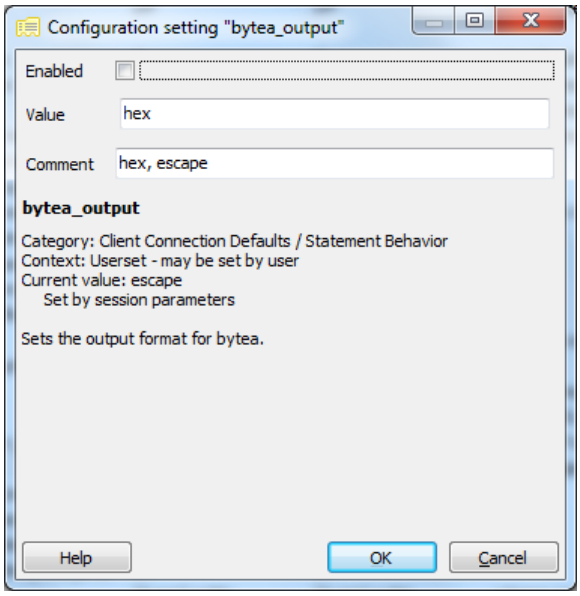
Click "OK". A connection to the server is performed and PGAdmin shows the contents of the database (still empty):



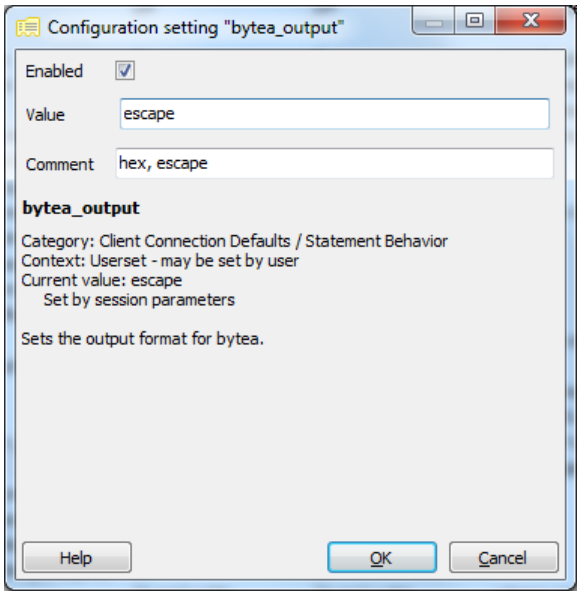
Click "Tools" menu followed by "Server Configuration" and "postgresql.conf". The "Backend Configuration Editor" is shown:


Backend Configuration Editor - postgresql.conf on PostgreSQL 9.0 (x86) (localhost:54...
File Edit Help
Setting name | Value | Current value | Comment
bonjour | off | off | advertise server via Bonjour
bonjour_name
listen_addresses | * | * | what IP address(es) to listen
max_connections | 100 | 100 | (change requires restart)
port | 5432 | 5432 | (change requires restart)
superuser_reserved_connecti... | 3 | 3 | (change requires restart)
unix_socket_directory
unix_socket_group
unix_socket_permissions | 0777 | 511 | begin with 0 to use octal nota
authentication_timeout | 1min | 60 | 1s-600s
db_user_namespace | off | off
krb_caseins_users | off | off
krb_server_keyfile
krb_srvname | postgres | postgres | (Kerberos only)
password_encryption | on | on
ssl | off | off | (change requires restart)
ssl_ciphers | ALL:!ADH:!LOW:!E... | ALL:!ADH:!LOW:!E... | allowed SSL ciphers
ssl_renegotiation_limit | 512MB | 524288 | amount of data between ren
bytea_output | hex | escape | hex, escape
check_function_bodies | on | on
default_tablespace
default_transaction_isolation | read committed | read committed
default_transaction_read_only | off | off
search_path | "$user",public | "$user",public | schema names
session_replication_role | origin | origin
statement_timeout | 0 | 0 | in milliseconds, 0 is disabled
Configuration read from localhost

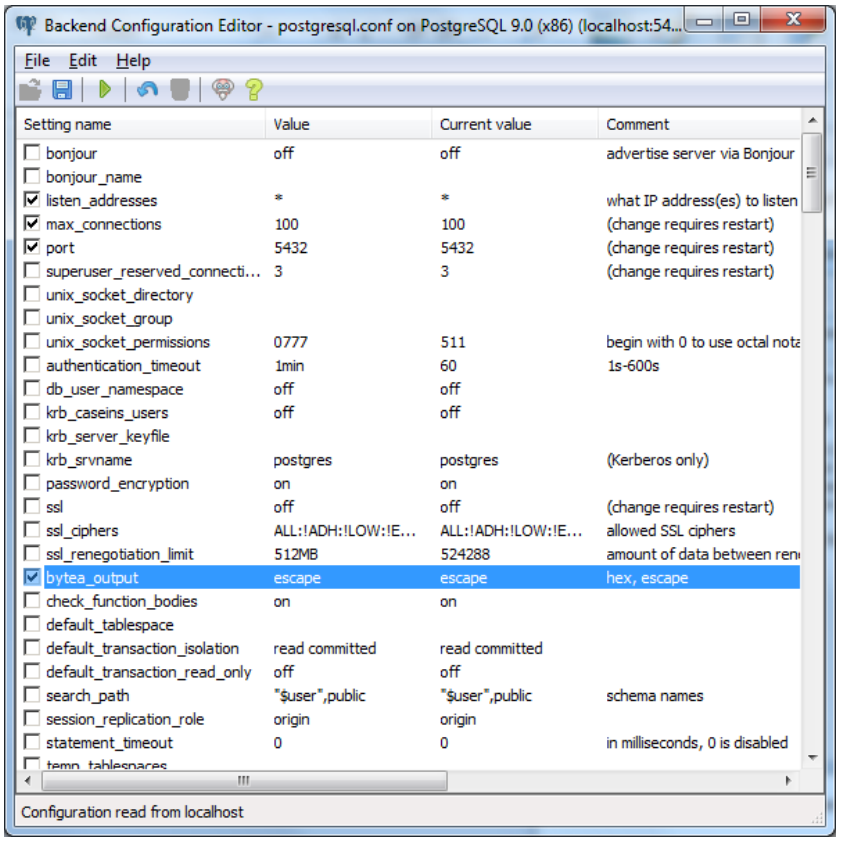
Double click on the line starting with "bytea_output":



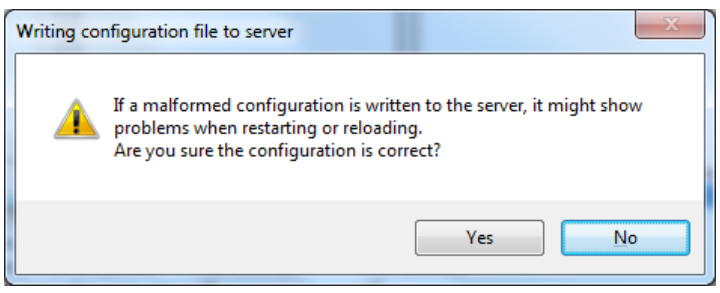
Check "Enabled" and change "Value" to "escape":



Click "OK" to be back to the “Backend Configuration Editor".

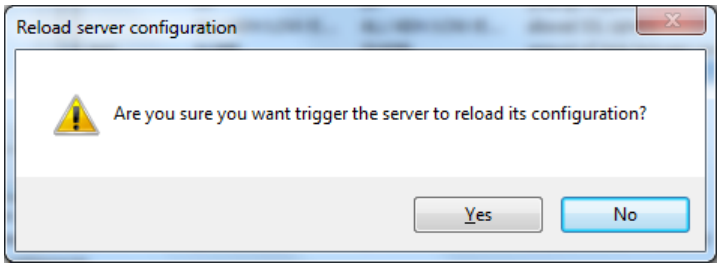

Backend Configuration Editor - postgresql.conf on PostgreSQL 9.0 (x86) (localhost:54...
File Edit Help
Setting name | Value | Current value | Comment
bonjour | off | off | advertise server via Bonjour
bonjour_name
listen_addresses | * | * | what IP address(es) to listen
max_connections | 100 | 100 | (change requires restart)
port | 5432 | 5432 | (change requires restart)
superuser_reserved_connecti... | 3 | 3 | (change requires restart)
unix_socket_directory
unix_socket_group
unix_socket_permissions | 0777 | 511 | begin with 0 to use octal nota
authentication_timeout | 1min | 60 | 1s-600s
db_user_namespace | off | off
krb_caseins_users | off | off
krb_server_keyfile
krb_srvname | postgres | postgres | (Kerberos only)
password_encryption | on | on
ssl | off | off | (change requires restart)
ssl_ciphers | ALL:!ADH:!LOW:!E... | ALL:!ADH:!LOW:!E... | allowed SSL ciphers
ssl_renegotiation_limit | 512MB | 524288 | amount of data between ren
bytea_output | escape | escape | hex, escape
check_function_bodies | on | on
default_tablespace
default_transaction_isolation | read committed | read committed
default_transaction_read_only | off | off
search_path | "$user",public | "$user",public | schema names
session_replication_role | origin | origin
statement_timeout | 0 | 0 | in milliseconds, 0 is disabled
Configuration read from localhost

Click "File" menu, followed by "Save" (alternately click on the diskette icon):


Writing configuration file to server
If a malformed configuration is written to the server, it might show problems when restarting or reloading.
Are you sure the configuration is correct?
Yes
No

Click "Yes".

Then, click "File" menu, followed by "Reload server" (alternatively click on green arrow just next to the diskette icon):



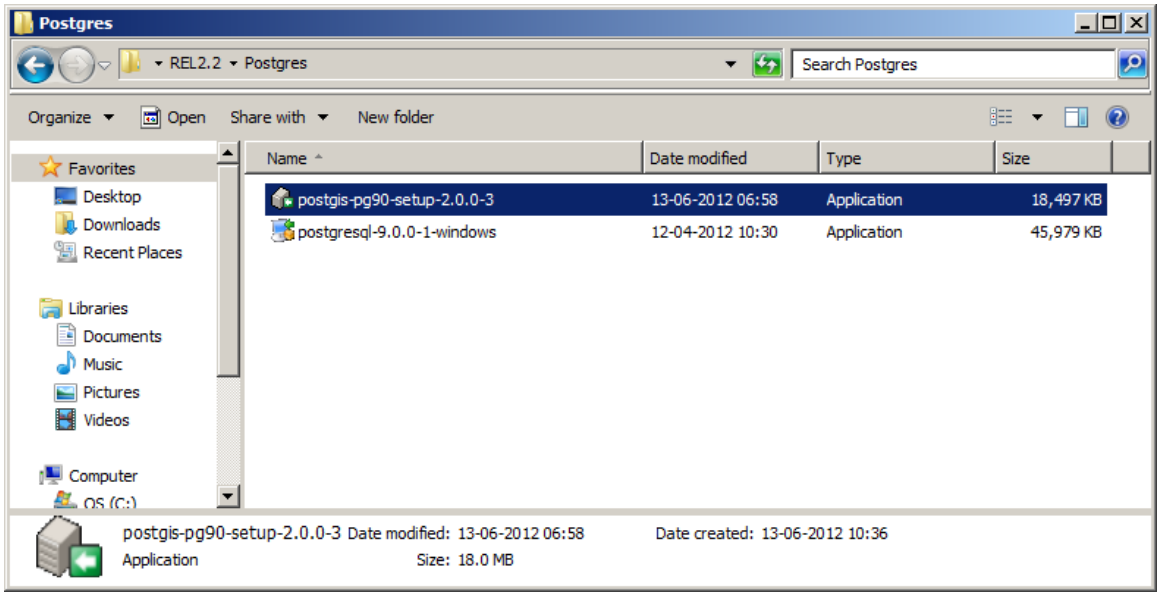
Click "Yes".

Close the “Backend Configuration Editor" and close pgAdmin.

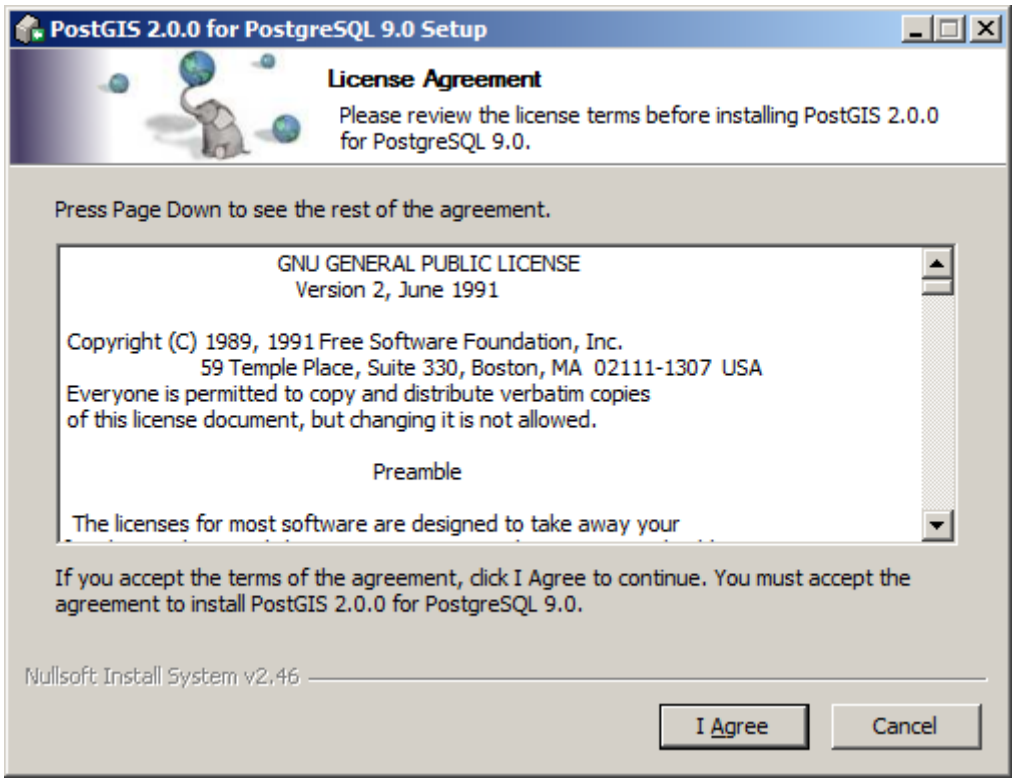
4.3 PostGIS Installation

PostGIS is required for handling spatial data in PostgreSQL.

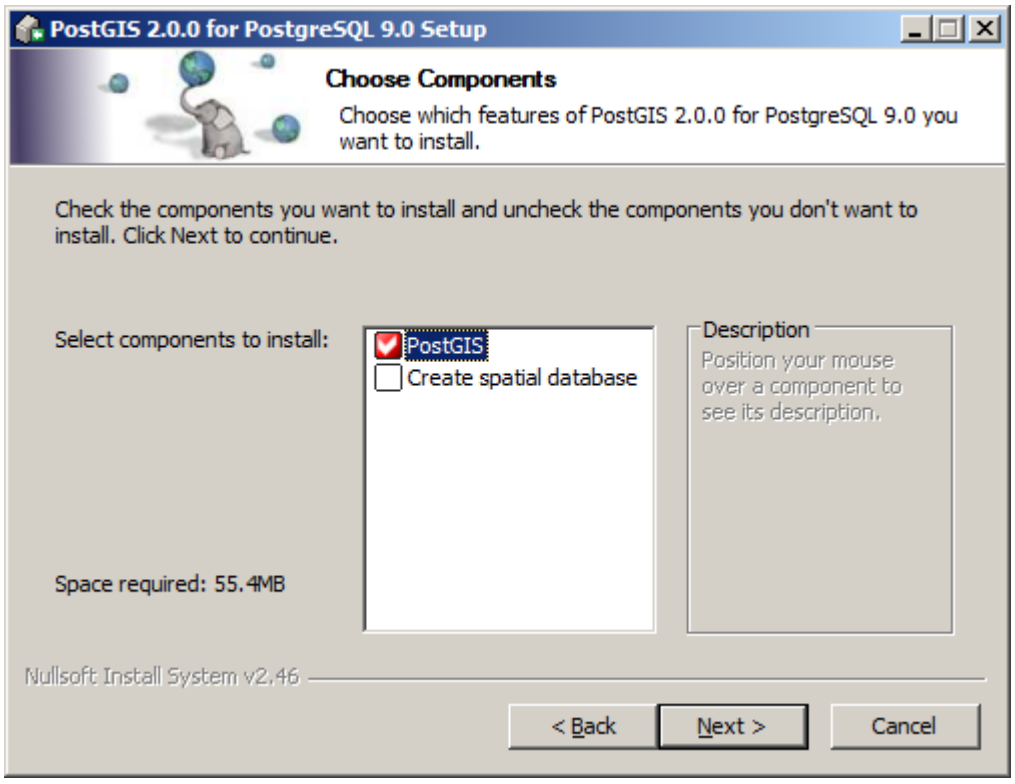
Locate and double-click the file "postgis-pg90-setup-2.0.0-3.exe" (if file extensions are being shown):



The following dialog is shown:

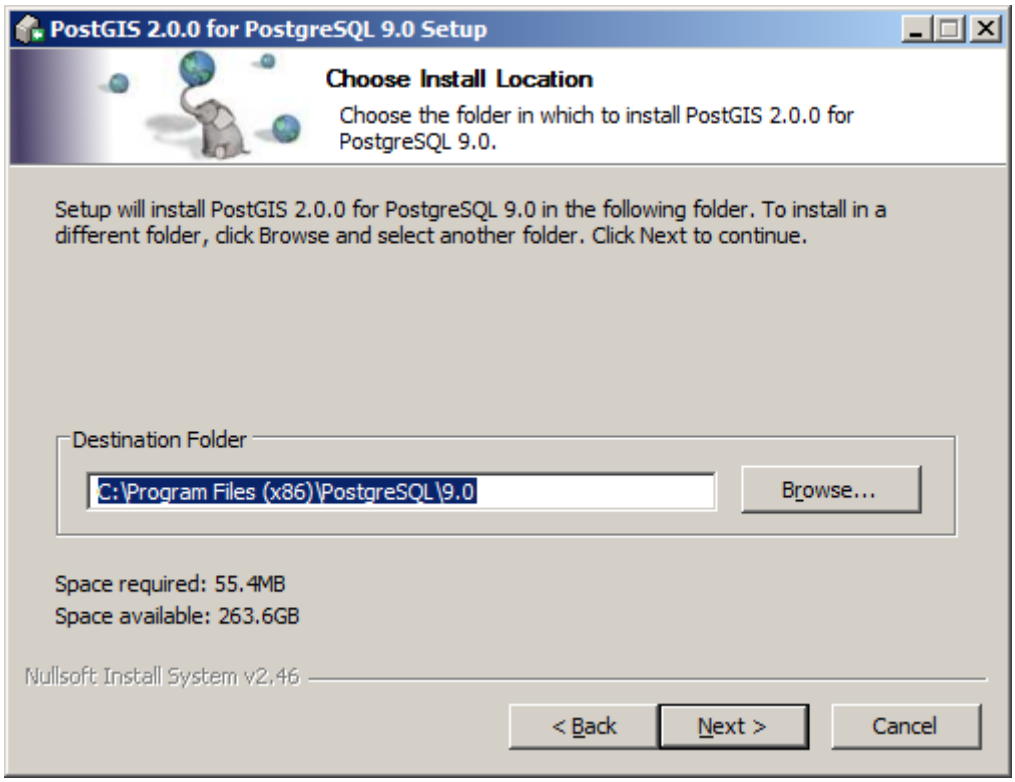

PostGIS 2.0.0 for PostgreSQL 9.0 Setup
License Agreement
Please review the license terms before installing PostGIS 2.0.0 for PostgreSQL 9.0.
Press Page Down to see the rest of the agreement.
GNU GENERAL PUBLIC LICENSE
Version 2, June 1991
Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.
Preamble
The licenses for most software are designed to take away your
If you accept the terms of the agreement, click I Agree to continue. You must accept the agreement to install PostGIS 2.0.0 for PostgreSQL 9.0.
Nullsoft Install System v2.46
I Agree
Cancel

Click "I Agree":


PostGIS 2.0.0 for PostgreSQL 9.0 Setup
Choose Components
Choose which features of PostGIS 2.0.0 for PostgreSQL 9.0 you want to install.
Check the components you want to install and uncheck the components you don't want to install. Click Next to continue.
Select components to install:
PostGIS
Create spatial database
Description
Position your mouse over a component to see its description.
Space required: 55.4MB
Nullsoft Install System v2.46
< Back
Next >
Cancel

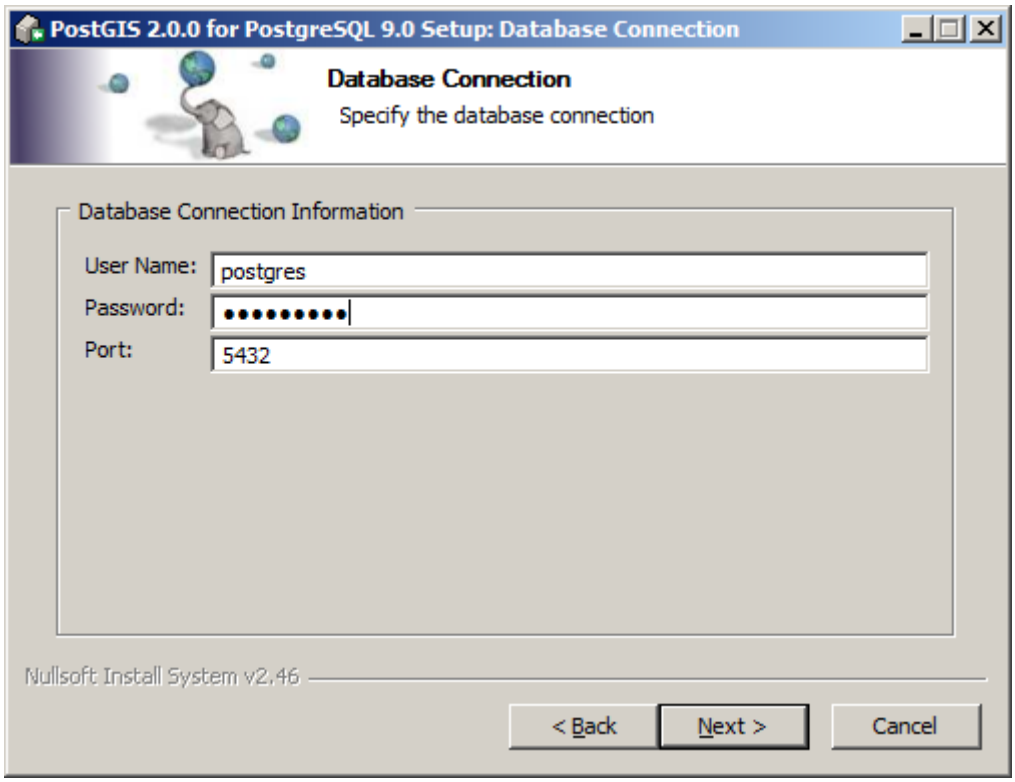
Make sure "Create spatial database" is unchecked.

Click "Next":

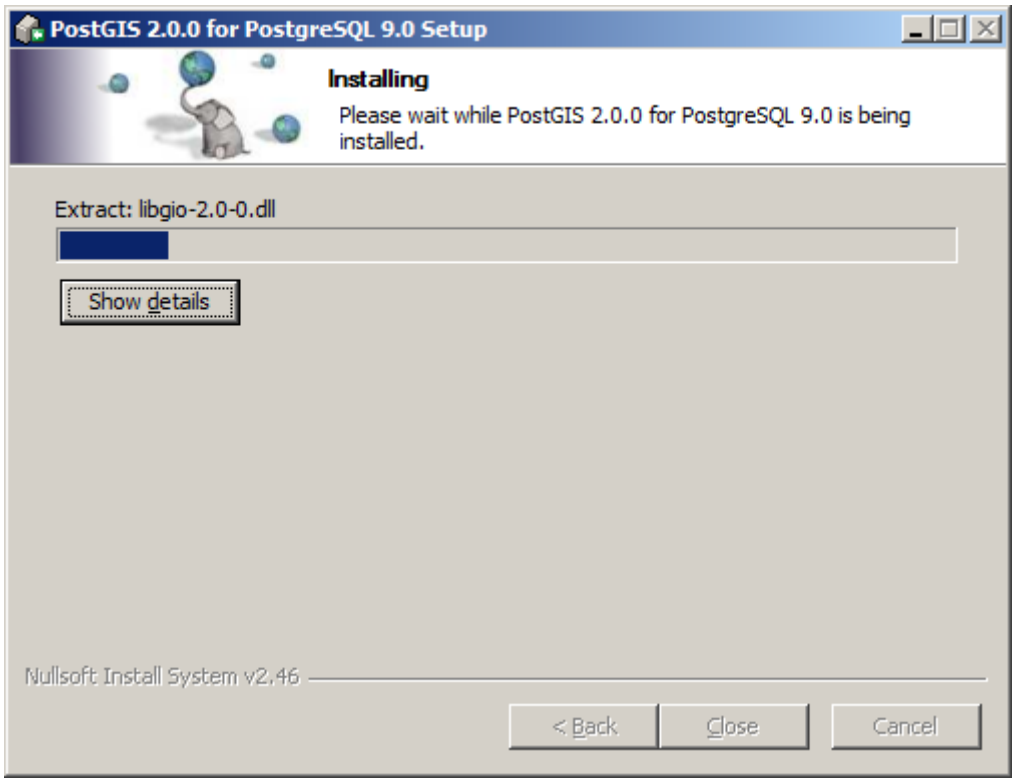

PostGIS 2.0.0 for PostgreSQL 9.0 Setup
Choose Install Location
Choose the folder in which to install PostGIS 2.0.0 for PostgreSQL 9.0.
Setup will install PostGIS 2.0.0 for PostgreSQL 9.0 in the following folder. To install in a different folder, click Browse and select another folder. Click Next to continue.
Destination Folder
C:\Program Files (x86)\PostgreSQL\9.0
Browse...
Space required: 55.4MB
Space available: 263.6GB
Nullsoft Install System v2.46
< Back
Next >
Cancel

Accept the default "Destination Folder by clicking "Next".

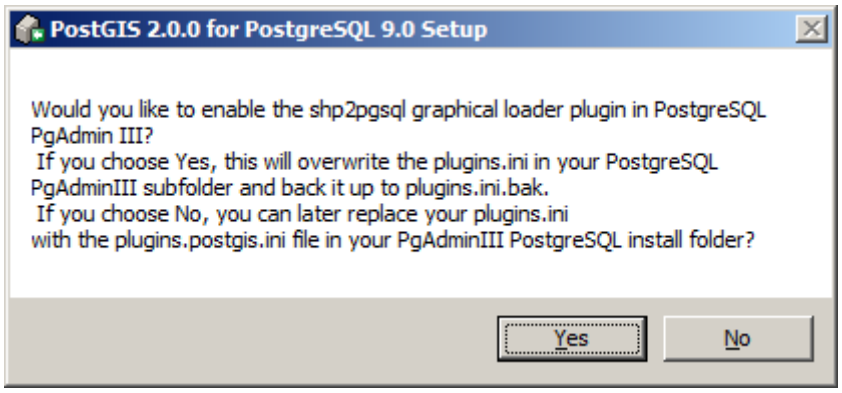
Type in the password of the postgres user (the same as during PostgreSQL database installation)



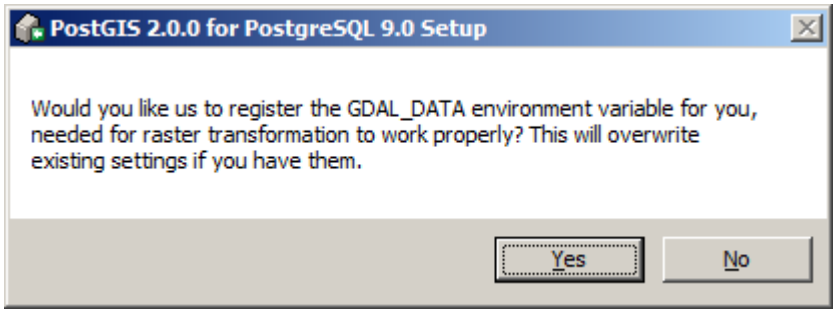
Click "Next" to start installation. The installation dialog providing progress information shows up:



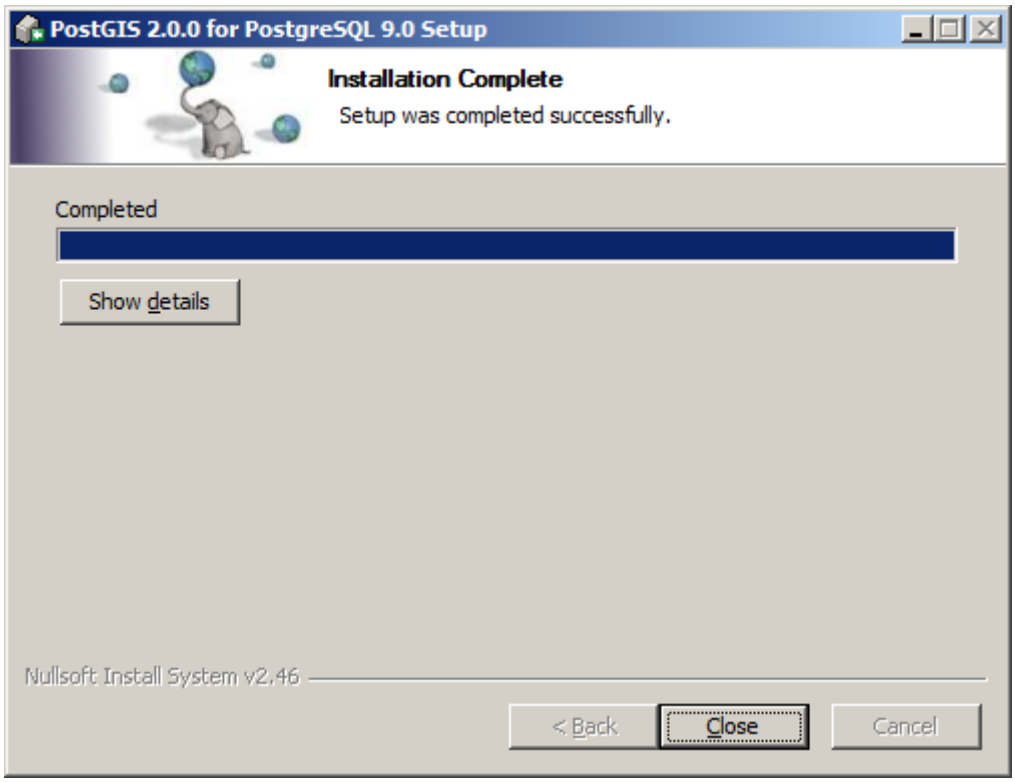
When installation is completed, the following dialog is shown:


PostGIS 2.0.0 for PostgreSQL 9.0 Setup
Would you like to enable the shp2pgsql graphical loader plugin in PostgreSQL PgAdmin III?
If you choose Yes, this will overwrite the plugins.ini in your PostgreSQL PgAdminIII subfolder and back it up to plugins.ini.bak.
If you choose No, you can later replace your plugins.ini with the plugins.postgis.ini file in your PgAdminIII PostgreSQL install folder?
Yes
No

Click "Yes":


PostGIS 2.0.0 for PostgreSQL 9.0 Setup
Would you like us to register the GDAL_DATA environment variable for you, needed for raster transformation to work properly? This will overwrite existing settings if you have them.
Yes
No

Click “Yes”:



Click "Close" to finish installation.

4.4 Configuration of Database Server security

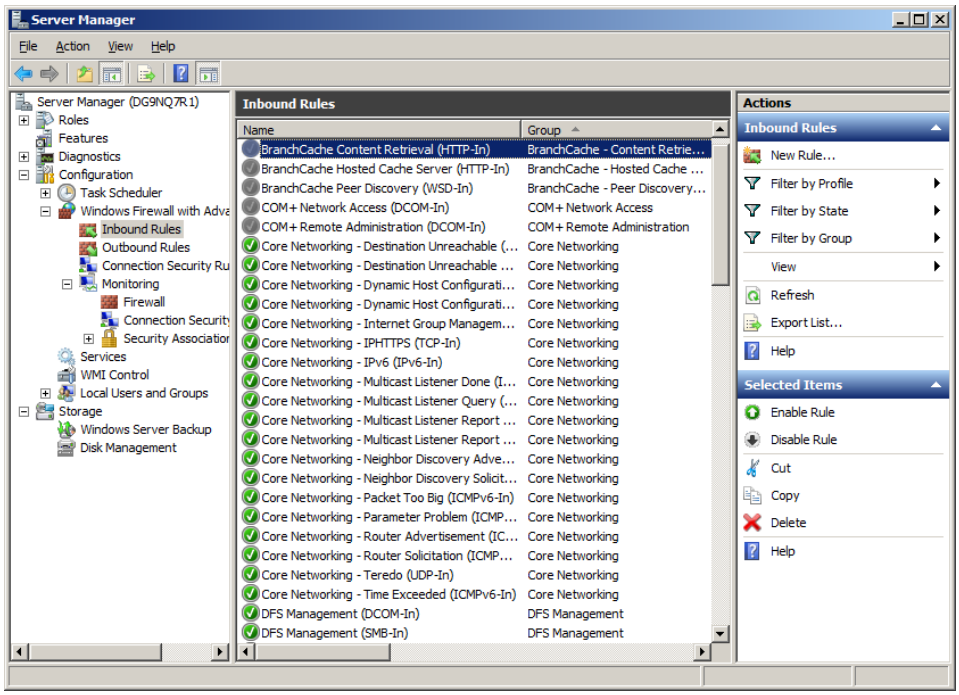
In a “professional installation” where the PostgreSQL service is a local database service for programs in the same machine the settings are by default appropriate.

The following section is only relevant for situations where the database server shall act as a central service to many clients. If a central server is being installed some settings need to be modified:

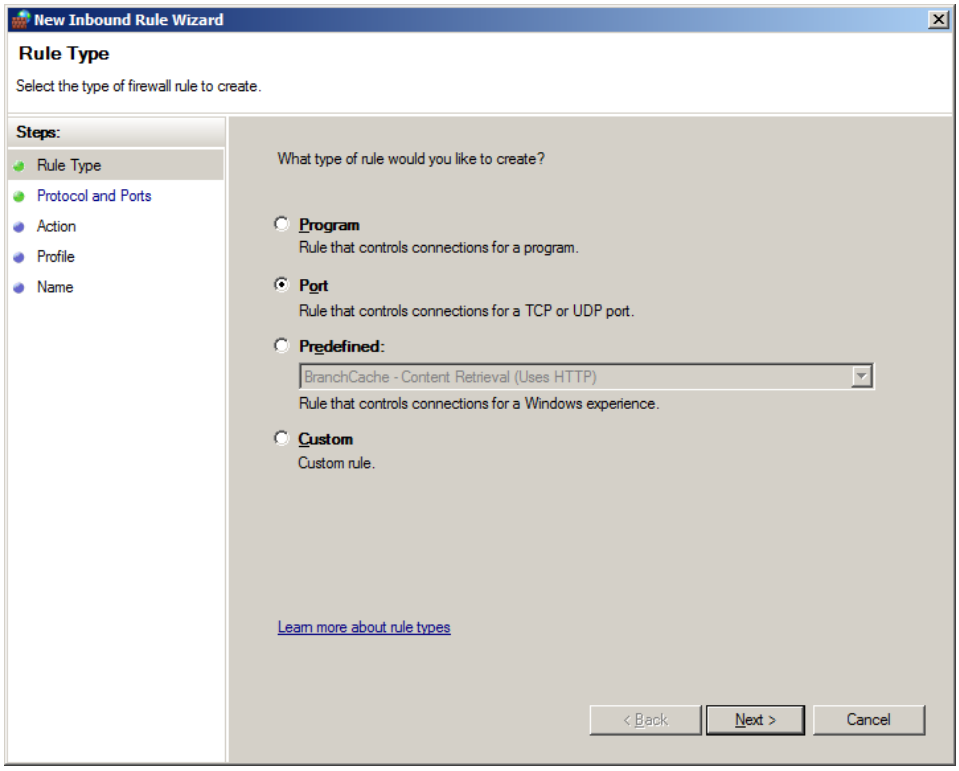
- Firewall

  By default the firewall of a Windows Server 2008 R2 operating system is restrictive with respect to what and who can gain access to the resources. It is therefore necessary to configure the firewall to permit access to the PostgreSQL service.

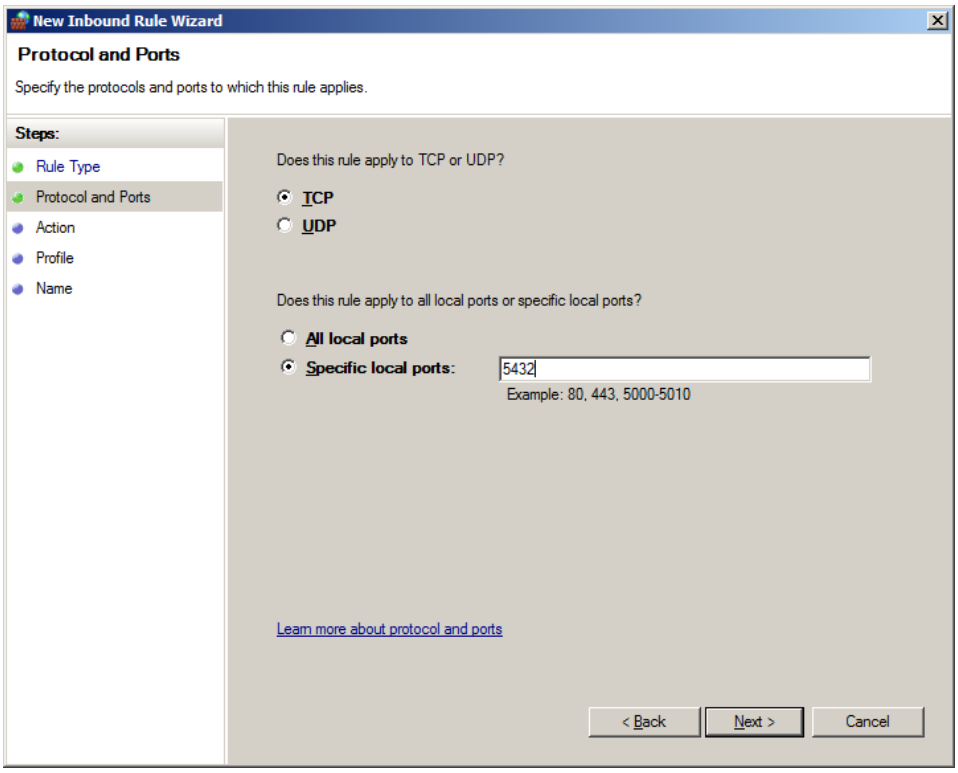
  Open Server Manager and local Windows Fire Wall and Inbound Rules



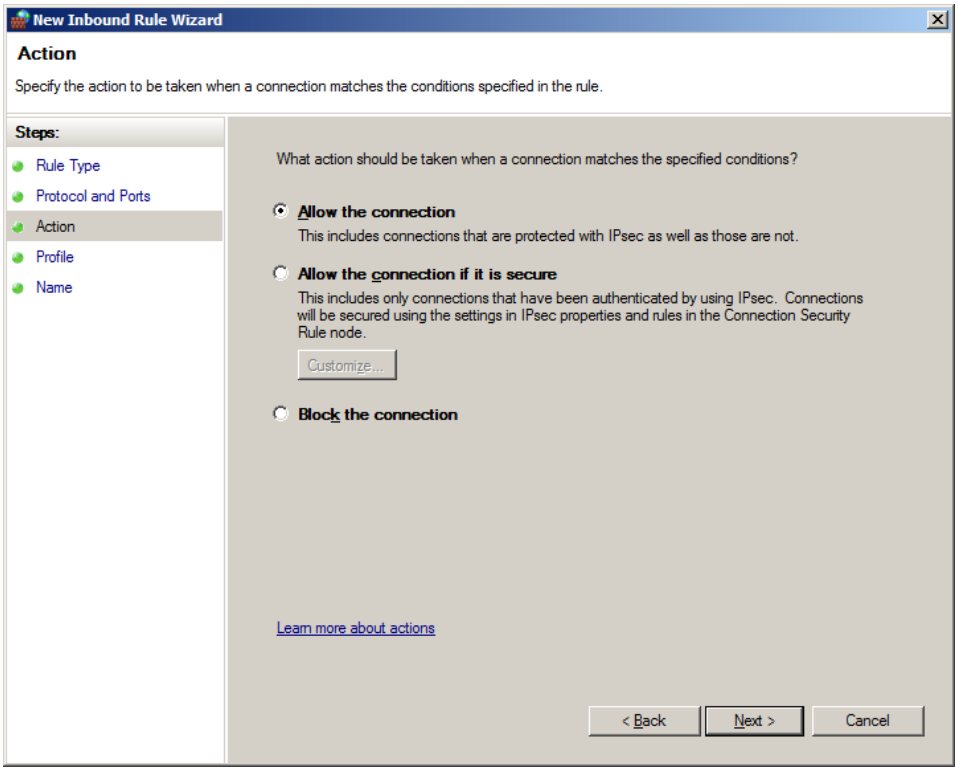
Click the “New Rule” in the meu to the right. This opens a Rule Wizard:



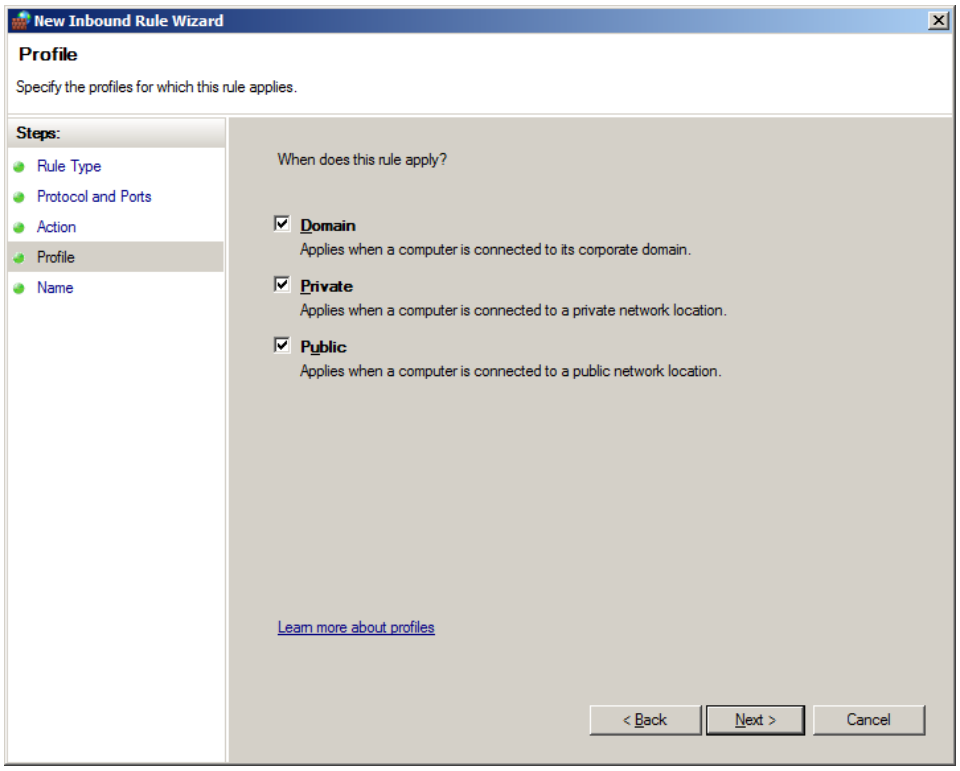
Select “Port” type and click Next:



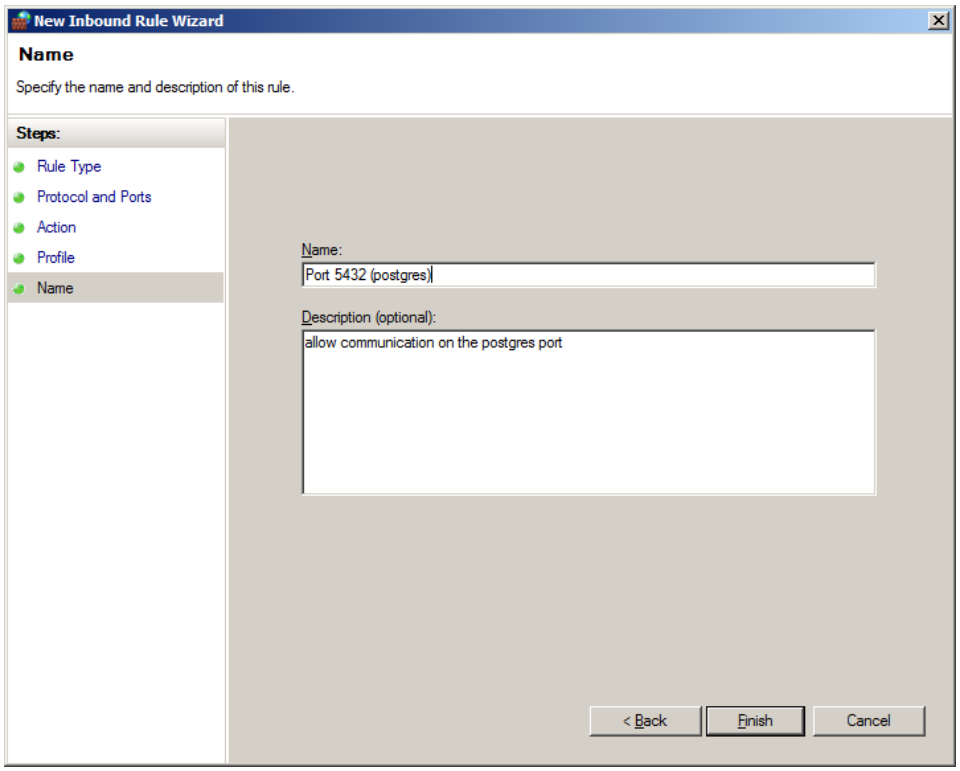
Specify the TCP port 5432 (which is the one Postges uses).


New Inbound Rule Wizard
Action
Specify the action to be taken when a connection matches the conditions specified in the rule.
Steps:
Rule Type
Protocol and Ports
Action
Profile
Name
What action should be taken when a connection matches the specified conditions?
Allow the connection
This includes connections that are protected with IPsec as well as those are not.
Allow the connection if it is secure
This includes only connections that have been authenticated by using IPsec. Connections will be secured using the settings in IPsec properties and rules in the Connection Security Rule node.
Customize...
Block the connection
Learn more about actions
< Back
Next >
Cancel

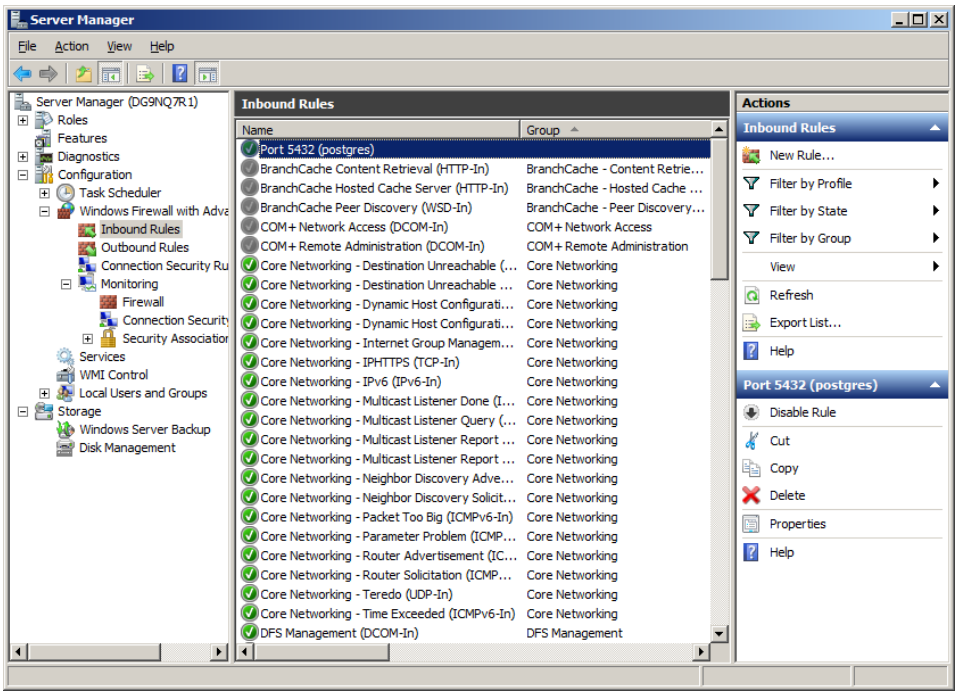
The rule should allow access on this port.



For all profiles…



Enter a description and Finish the wizard


Server Manager
File Action View Help
Server Manager (DG9NQ7R1)
Roles
Features
Diagnostics
Configuration
Task Scheduler
Windows Firewall with Adva
Inbound Rules
Outbound Rules
Connection Security Ru
Monitoring
Firewall
Connection Security
Security Associatior
Services
WMI Control
Local Users and Groups
Storage
Windows Server Backup
Disk Management
Inbound Rules
Name
Group
Port 5432 (postgres)
BranchCache Content Retrieval (HTTP-In) BranchCache - Content Retrie...
BranchCache Hosted Cache Server (HTTP-In) BranchCache - Hosted Cache ...
BranchCache Peer Discovery (WSD-In) BranchCache - Peer Discovery...
COM+ Network Access (DCOM-In) COM+ Network Access
COM+ Remote Administration (DCOM-In) COM+ Remote Administration
Core Networking - Destination Unreachable (... Core Networking
Core Networking - Destination Unreachable ... Core Networking
Core Networking - Dynamic Host Configurati... Core Networking
Core Networking - Dynamic Host Configurati... Core Networking
Core Networking - Internet Group Managem... Core Networking
Core Networking - IPHTTPS (TCP-In) Core Networking
Core Networking - IPv6 (IPv6-In) Core Networking
Core Networking - Multicast Listener Done (I... Core Networking
Core Networking - Multicast Listener Query (... Core Networking
Core Networking - Multicast Listener Report ... Core Networking
Core Networking - Multicast Listener Report ... Core Networking
Core Networking - Neighbor Discovery Adve... Core Networking
Core Networking - Neighbor Discovery Solicit... Core Networking
Core Networking - Packet Too Big (ICMPv6-In) Core Networking
Core Networking - Parameter Problem (ICMP... Core Networking
Core Networking - Router Advertisement (IC... Core Networking
Core Networking - Router Solicitation (ICMP... Core Networking
Core Networking - Teredo (UDP-In) Core Networking
Core Networking - Time Exceeded (ICMPv6-In) Core Networking
DFS Management (DCOM-In) DFS Management
Actions
Inbound Rules
New Rule...
Filter by Profile
Filter by State
Filter by Group
View
Refresh
Export List...
Help
Port 5432 (postgres)
Disable Rule
Cut
Copy
Delete
Properties
Help

And the new rule is visible in the list of Inbound rules.

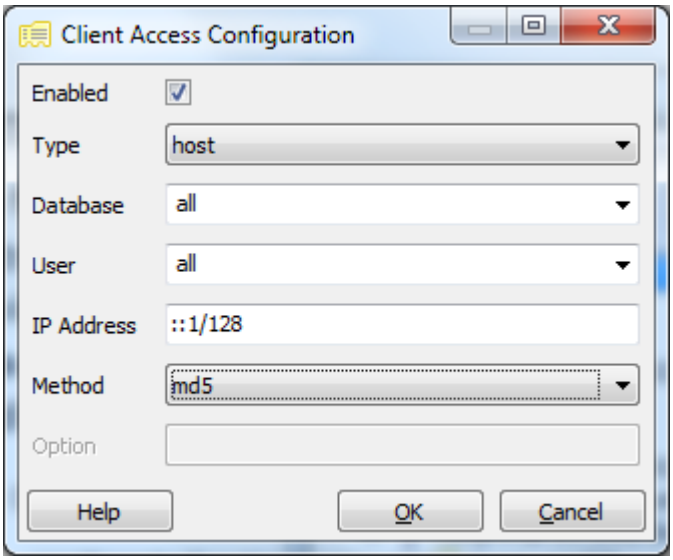
- PostgreSQL service

The database service itself also includes an access permission system which b defaults only allows local access from the same computer. For the server to work as a server in a network environment the permissions must be opened up.

Permissions can be given at different levels, see more details here:

This server is set up to allow access from machines in the same subnet as the server itself, i.e. machines in the same organization. This is done like this:

- Open pgAdmin and connect to the database service
- Open menu item Tools -> Server Configuration -> pg_hba.conf
- Double-click the empty line and configure it



- Click OK and the Save the configuration.
- Finally click File->Reload Server to activate the new settings. Verify the settings by attempting access via pgAdmin from another machine in the network.

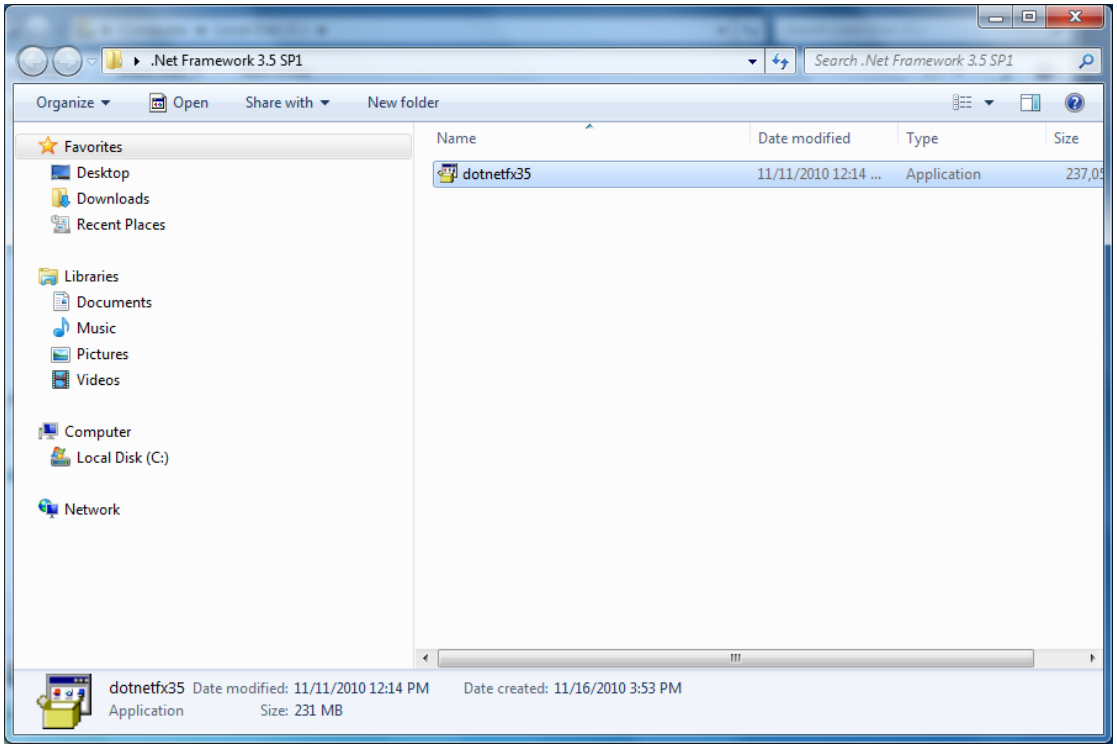
5 .NET FRAMEWORK 3.5 SP1 INSTALLATION

5.1 Windows 7 or Windows XP

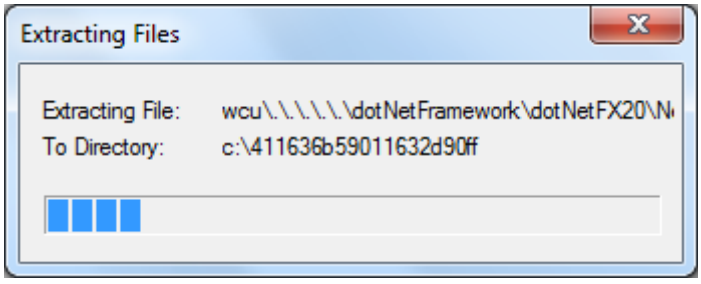
.Net Framework 3.5 SP1 is part of Windows 7 and it is not possible to uninstall it.

However, Service Pack 1 is required and must be installed if not present in other platforms

Insert the “Installation disk" in the CD/DVD drive. Start "Windows Explorer" by right-clicking on “Windows Start" menu and selecting "Open Windows Explorer", or by pressing "Windows Key" + E simultaneously. Select the CD/DVD drive, followed by “.Net Framework 3.5 SP1" folder and double click on "dotnetfx35" (or "dotnetfx35.exe" if file extensions are being shown):

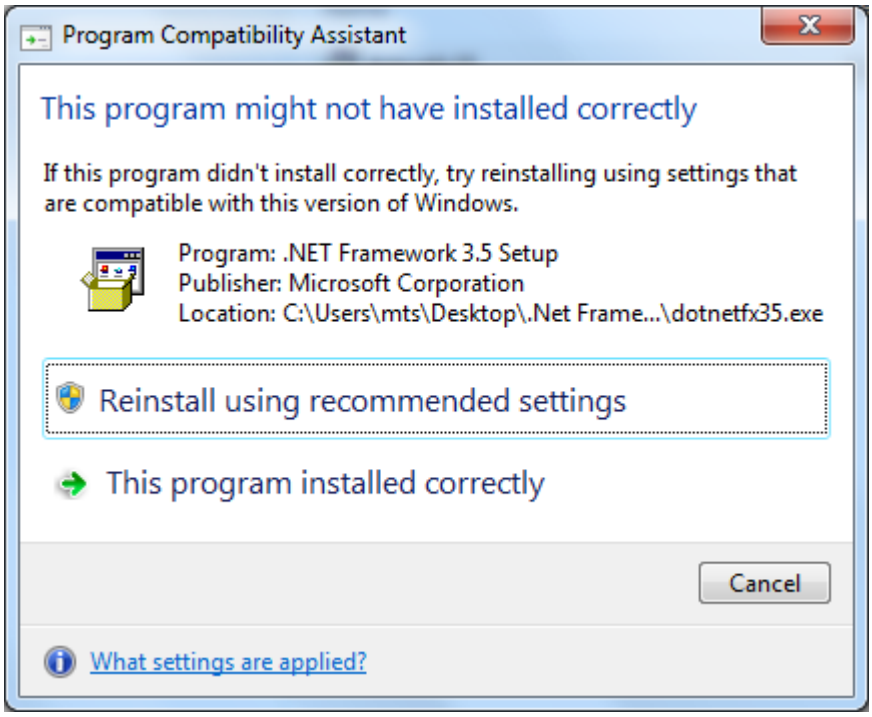


The dialog providing progress information for files extractions is shown:

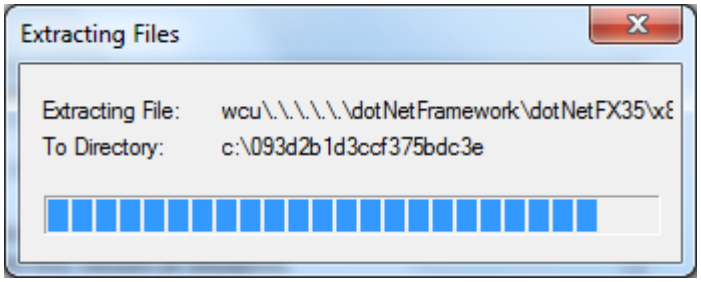


If Service Pack 1 is already installed, the dialog will simply close and installation is finished.

If Service Pack 1 is not installed, the following dialog shows up:


Program Compatibility Assistant
This program might not have installed correctly
If this program didn't install correctly, try reinstalling using settings that are compatible with this version of Windows.
Program: .NET Framework 3.5 Setup
Publisher: Microsoft Corporation
Location: C:\Users\mts\Desktop\.Net Frame...\dotnetfx35.exe
Reinstall using recommended settings
This program installed correctly
Cancel
What settings are applied?

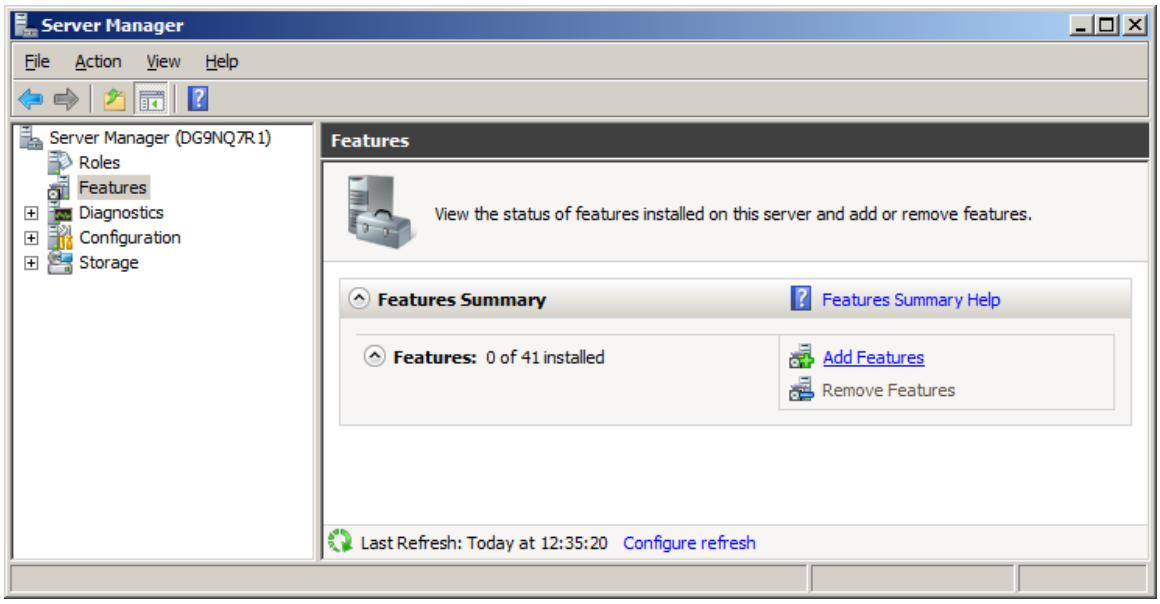
Click on "Reinstall using recommended settings". The installation dialog providing progress information is shown:



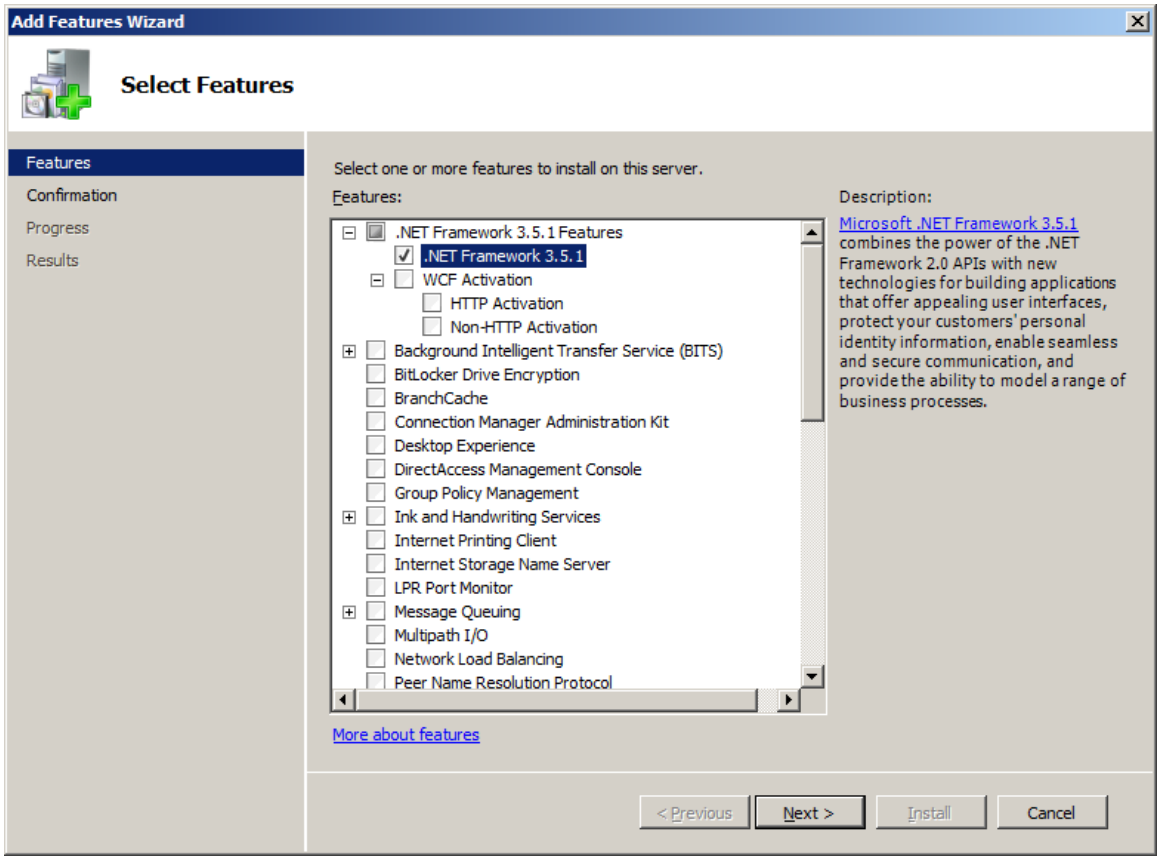
When installation is completed, the dialog closes.

5.2 Windows Server 2008 R2

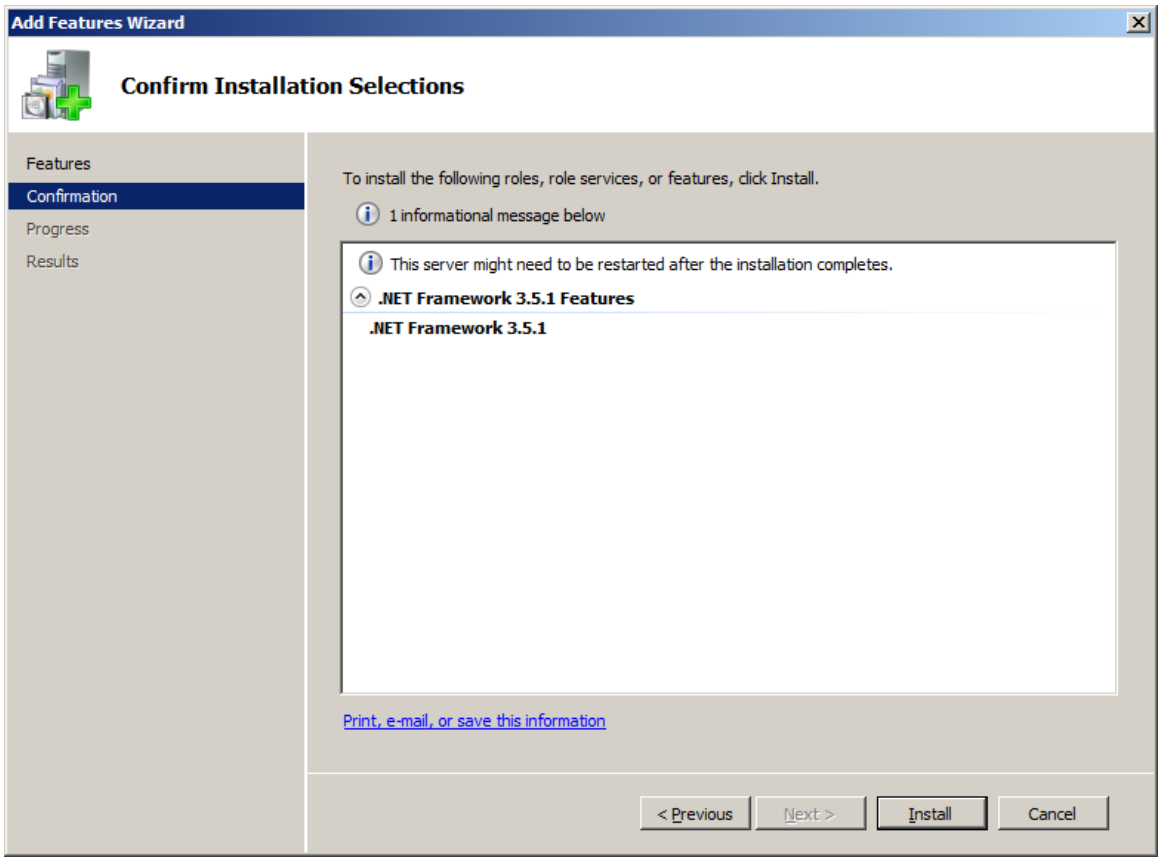
Installing .NET Framework 3.5 in a Windows Server 2008 R2 is done through the Server Manager. Open it and activate the Features section:



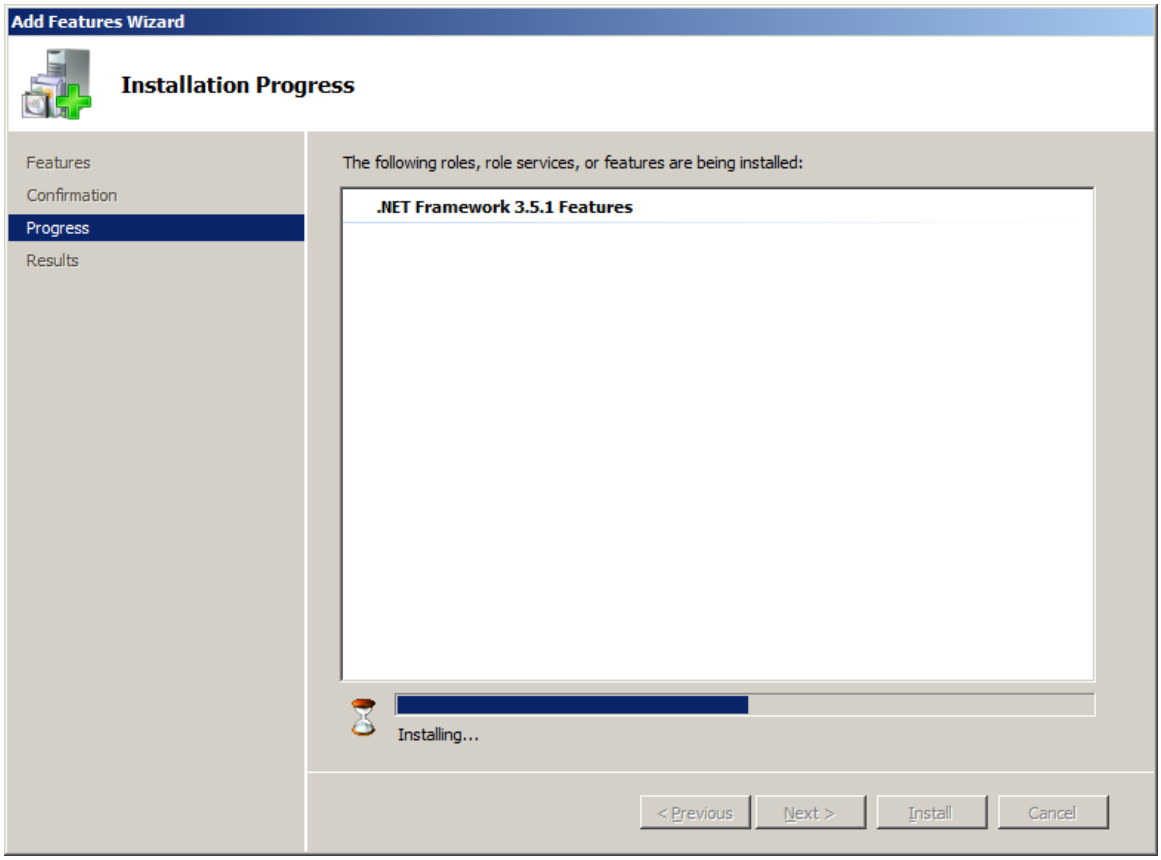
Click Add Features and select .NET framework 3.5 SP1:


Add Features Wizard
Select Features
Features
Confirmation
Progress
Results
Select one or more features to install on this server.
Features:
.NET Framework 3.5.1 Features
.NET Framework 3.5.1
WCF Activation
HTTP Activation
Non-HTTP Activation
Background Intelligent Transfer Service (BITS)
BitLocker Drive Encryption
BranchCache
Connection Manager Administration Kit
Desktop Experience
DirectAccess Management Console
Group Policy Management
Ink and Handwriting Services
Internet Printing Client
Internet Storage Name Server
LPR Port Monitor
Message Queuing
Multipath I/O
Network Load Balancing
Peer Name Resolution Protocol
Description:
Microsoft .NET Framework 3.5.1 combines the power of the .NET Framework 2.0 APIs with new technologies for building applications that offer appealing user interfaces, protect your customers' personal identity information, enable seamless and secure communication, and provide the ability to model a range of business processes.
More about features
< Previous
Next >
Install
Cancel

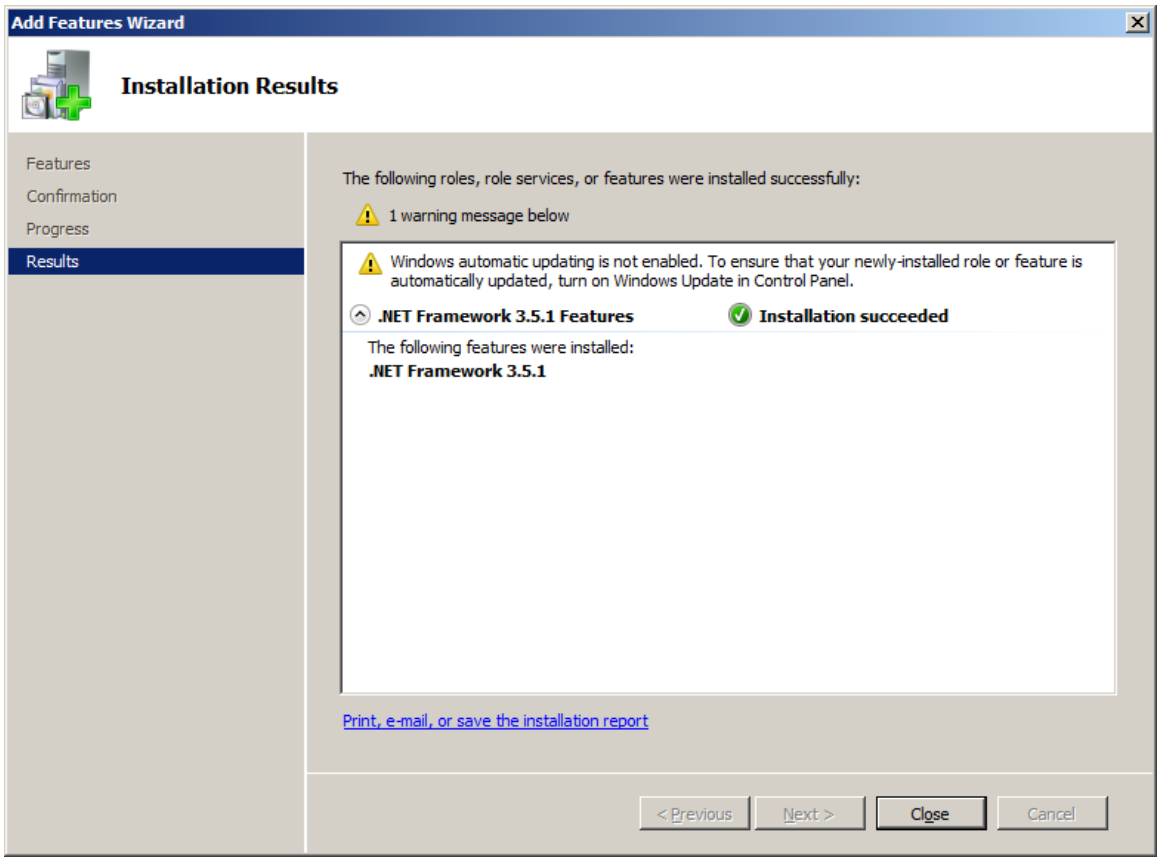
Click Next.



Click Next.



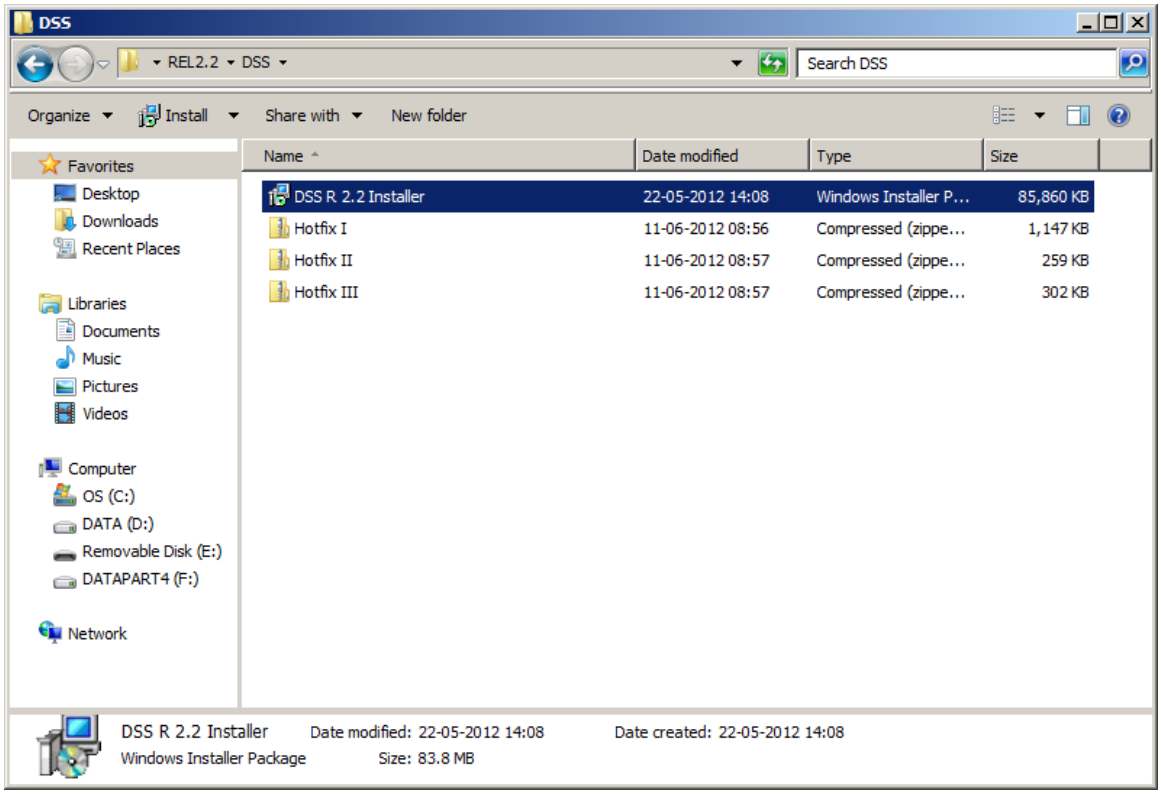
Installation will take place and hopefully end with a confirmation:


Add Features Wizard
Installation Results
Features
Confirmation
Progress
Results
The following roles, role services, or features were installed successfully:
1 warning message below
Windows automatic updating is not enabled. To ensure that your newly-installed role or feature is automatically updated, turn on Windows Update in Control Panel.
.NET Framework 3.5.1 Features
Installation succeeded
The following features were installed:
.NET Framework 3.5.1
Print, e-mail, or save the installation report
< Previous
Next >
Close
Cancel

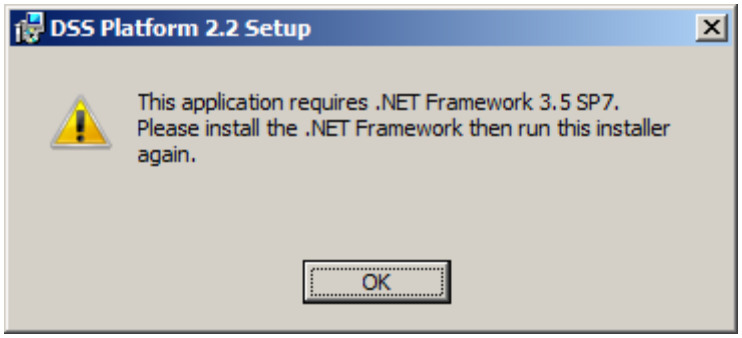
Click Finish to close the installer.

6 KBS INSTALLATION

Locate and double-click the DSS installer



If .NET Framework is not up to date a message will be shown similar to this:

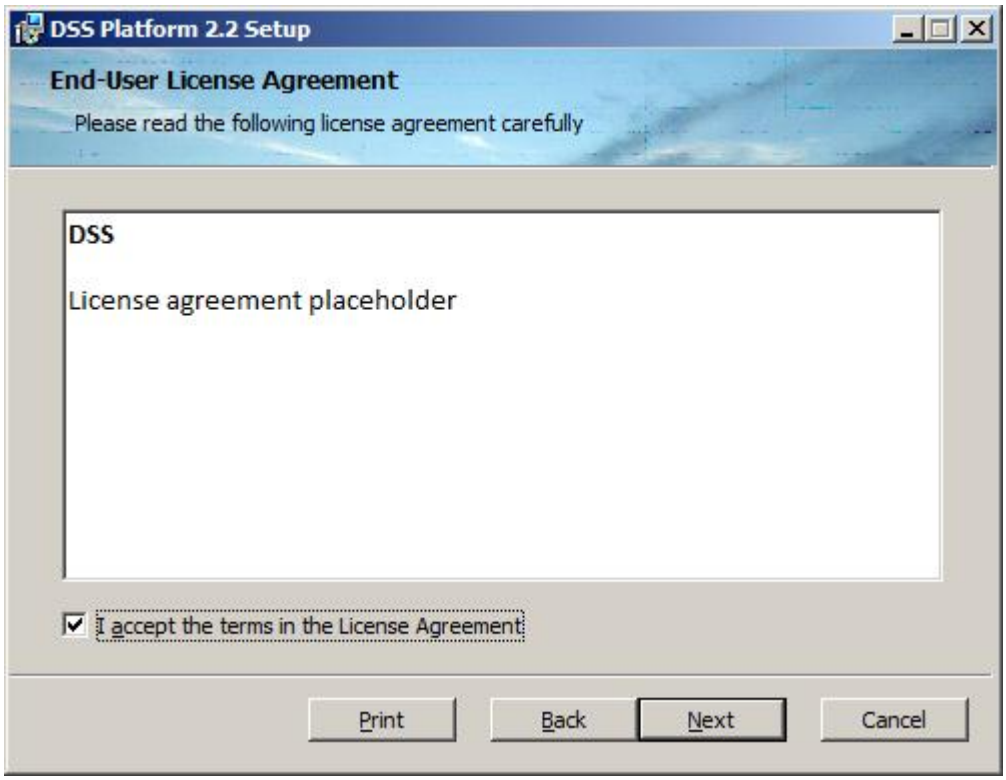

DSS Platform 2.2 Setup
This application requires .NET Framework 3.5 SP7.
Please install the .NET Framework then run this installer again.
OK

See Chapter 5 to install .NET Framework and then resume DSS installation.

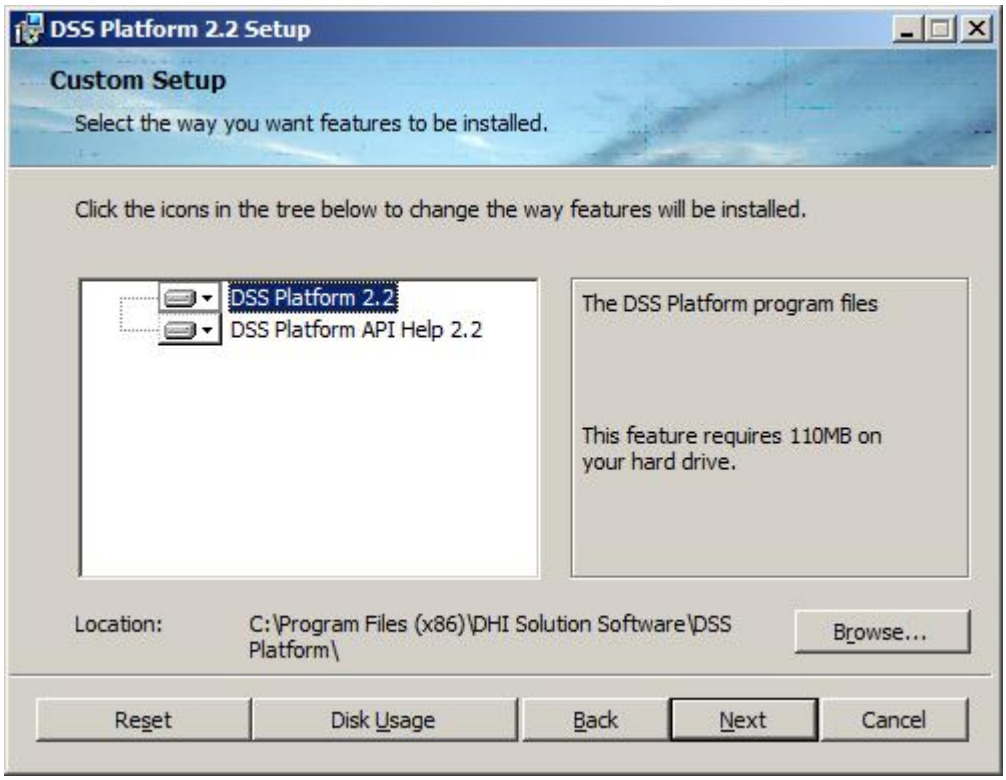
The installer opens like this :

DSS Platform 2.2 Setup
SOLUTION
SOFTWARE BY DHI
Welcome to the DSS Platform 2.2 Setup Wizard
The Setup Wizard will install DSS Platform 2.2 on your computer. Click Next to continue or Cancel to exit the Setup Wizard.
Back
Next
Cancel

Click “Next”

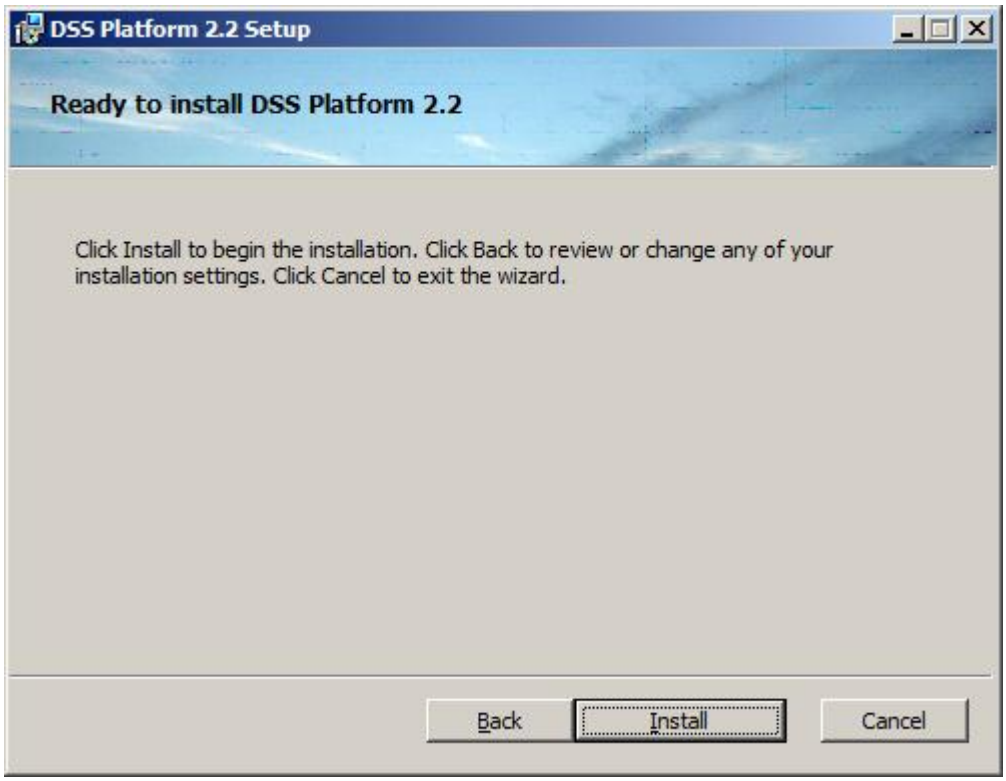


Accept the license agreement and click “Next”:

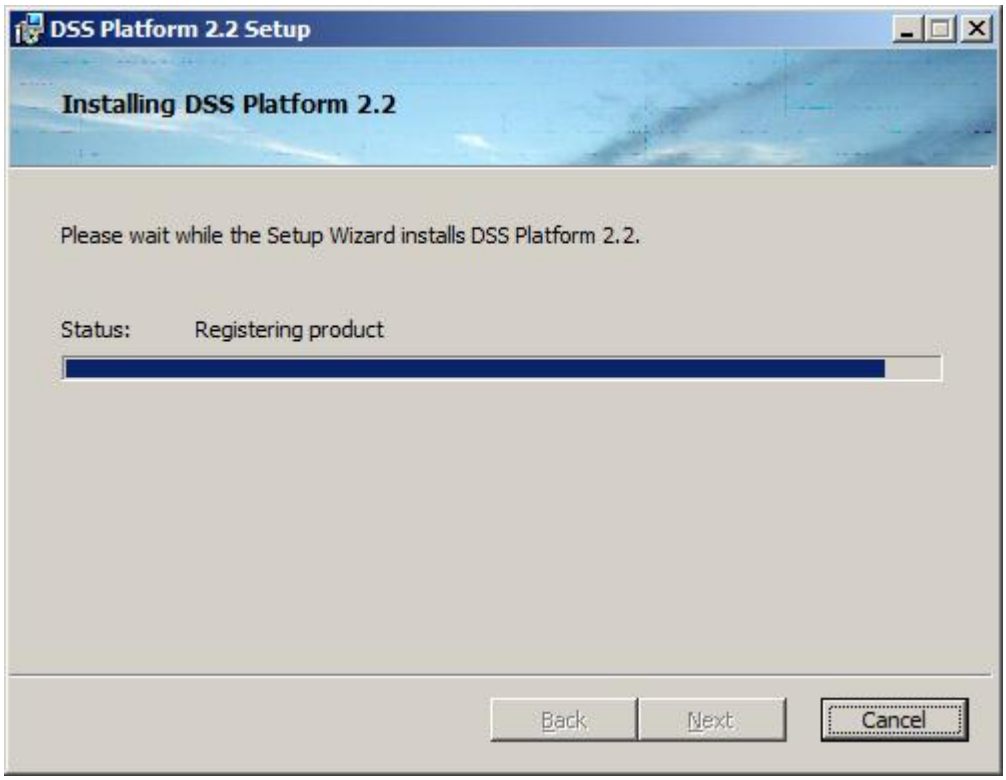

DSS Platform 2.2 Setup
Custom Setup
Select the way you want features to be installed.
Click the icons in the tree below to change the way features will be installed.
DSS Platform 2.2
DSS Platform API Help 2.2
The DSS Platform program files
This feature requires 110MB on your hard drive.
Location:
C:\Program Files (x86)\DHI Solution Software\DSS Platform\
Browse...
Reset
Disk Usage
Back
Next
Cancel

If you want to specify a different folder for the installation, click "Browse" and select a different folder in the dialog that shows up.

Click "Next" to proceed


DSS Platform 2.2 Setup
Ready to install DSS Platform 2.2
Click Install to begin the installation. Click Back to review or change any of your installation settings. Click Cancel to exit the wizard.
Back
Install
Cancel

Click "Install" to start installation. The installation dialog providing progress information



When finished, the completed installation dialog is shown:

Click to "Finish" installation to close the installation wizard.

A new folder called "DHI Solution Software" is created under "All Programs" in the "Start menu".

The KBS can be started by clicking " DHI Solution Software Platform 2.2" in this folder.

The API documentation by clicking "DHI Solution Software Platform 2.2 API Documentation".

Note: Before using the KBS, a database needs to be created. This process is described in the below in Chapter **Error! Reference source not found.**.

6.1 Installation of Service Packs and Hotfixes

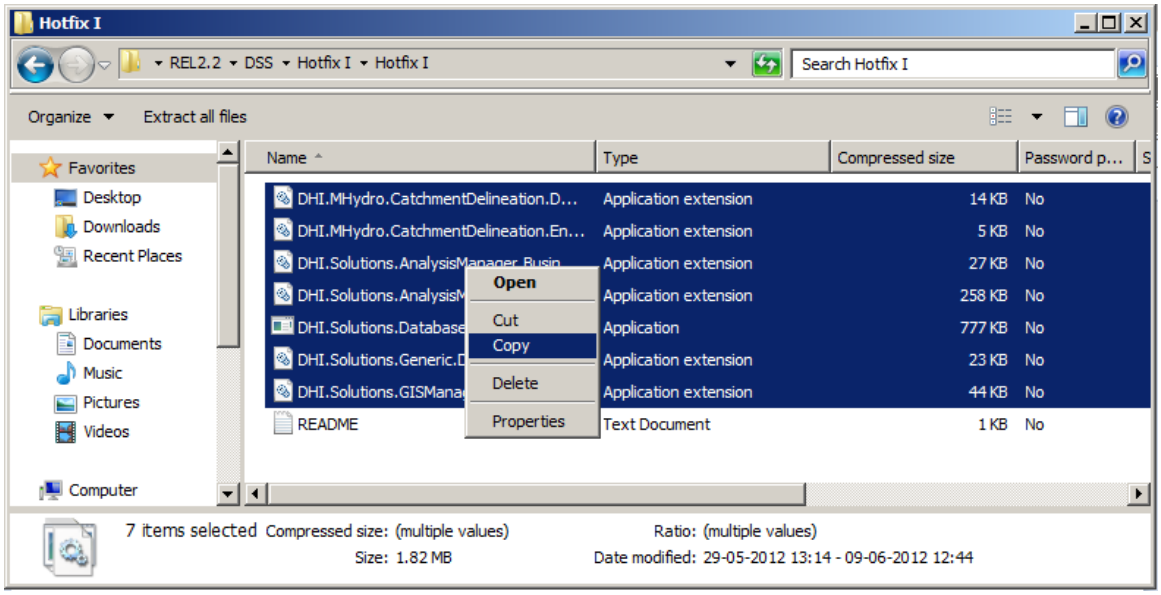
When system upgrades are release by DHI they can either require simple copying of files or an installer will be provided.

Upgrade instructions will also be distributed and shall be followed to perform the upgrade.

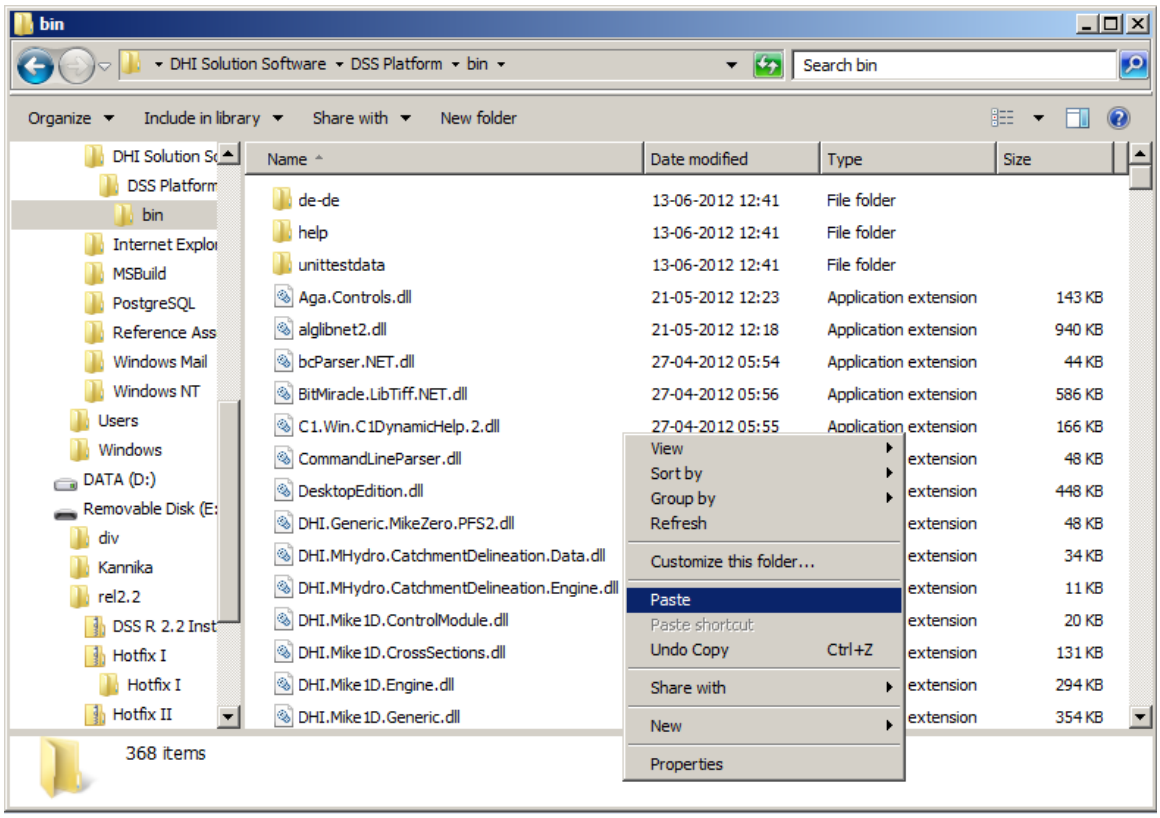
6.1.1 Release 2.2 Hotfix 1

Hotfix 1 is a zip-file with a number of files which needs to be copied into the bin-folder

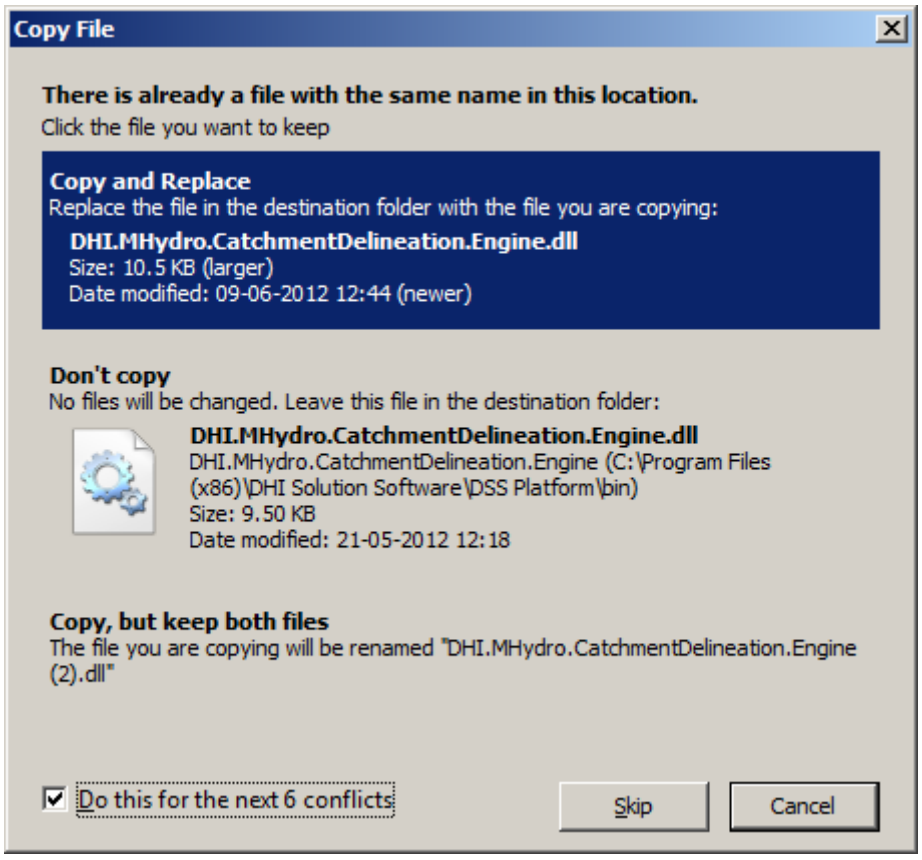
Open the zip-file and copy the files inside:



Locate the installation folder of the KBS – "C:\Program Files (x86)\DHI Solution Software\DSS Platform\bin" – and paste the files:



Copy and Overwrite all files:


Copy File
There is already a file with the same name in this location.
Click the file you want to keep
Copy and Replace
Replace the file in the destination folder with the file you are copying:
DHI.MHydro.CatchmentDelineation.Engine.dll
Size: 10.5 KB (larger)
Date modified: 09-06-2012 12:44 (newer)
Don't copy
No files will be changed. Leave this file in the destination folder:
DHI.MHydro.CatchmentDelineation.Engine.dll
DHI.MHydro.CatchmentDelineation.Engine (C:\Program Files (x86)\DHI Solution Software\DSS Platform\bin)
Size: 9.50 KB
Date modified: 21-05-2012 12:18
Copy, but keep both files
The file you are copying will be renamed "DHI.MHydro.CatchmentDelineation.Engine (2).dll"
Do this for the next 6 conflicts
Skip
Cancel

6.1.2 Release 2.2 Hotfix 2

The procedure for Hotfix 2 is the same as for Hotfix 1.

6.1.3 Release 2.2 Hotfix 3

The procedure for Hotfix 3 is the same as for Hotfix 1.

6.2 Configuring Databroker

The DataBroker is a service which can control regular data import from external sources- This is used for retrieval of real-time data from RT-DAS.

The service is installed with the KBS, but needs to be configured with the tailor-made driver for the KrishnaBhima RT-DAS.

This is only required at the Database Server which will also be in charge of data import.

6.2.1 Copy driver

Locate the driver DLLs and copy it to the bin-folder:

- LumenWorks.Framework.IO.dll
- DHI.Solutions.Projects.Krishna.Driver.dll
- DHI.Solutions.,Generic.UnitTest.dll

6.2.2 Modify runtime.config

Edit runtime.config file with Notepad (or similar text editor).

Add the following lines to the end of the DHI.Solutions.DataBrokerManager plugins section:

```
<Plugin
  Name="DHI.Solutions.Projects.Krishna.Driver.KrishnaSCADADriver"
  Type="DHI.Solutions.DataBrokerManager.Interfaces.ITransfer"
  Enabled="DHI.Solutions.Projects.Krishna.Driver.dll" />
```

6.2.3 Modify DataBroker config

Edit DHI.Solutions.DataBrokerManager.Service.exe.config file with Notepad (or similar text editor).

Modify the line containing key=" key="IncludePlugins"" – add SpreadsheetManager and TimeseriesManager to the value separated by semi-colons, so the line looks something like this:

```
    <add     key="IncludePlugins"     value="DataBrokerManager;EventManager;
SystemManager;Generic;SpreadsheetManager;TimeseriesManager" />
```

6.2.4 Installing and starting the DataBroker service

Update the file **token.store** in the bin-folder to hold the name of the database which the DataBroker shall work with:

```
<tokens>

 <token                                                    name="Default"
connection="host=localhost;port=5432;database=KrishnaBhima;dbflavour=Postg
reSQL" user="admin" password="dssadmin" workspace="workspace1" />

</tokens>
```

Once updated two bat-files should be run from the bin-folder:

- DHI.Solutions.DataBrokerManager.Service.Install.bat
- DHI.Solutions.DataBrokerManager.Service.Start.bat

This should ONLY be done in the Server

6.3 The Event service

Update the file **token.store** in the bin-folder to hold the name of the database which the Event Service shall work with:

```
<tokens>

 <token                                                    name="Default"
connection="host=localhost;port=5432;database=KrishnaBhima;dbflavour=Postg
reSQL" user="admin" password="dssadmin" workspace="workspace1" />

</tokens>
```

Once updated two bat-files should be run from the bin-folder:

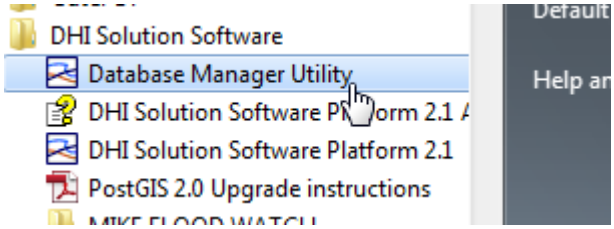
- DHI.Solutions.EventManager.Service.Install.bat
- DHI.Solutions.EventManager.Service.Start.bat

This should ONLY be done in the Server

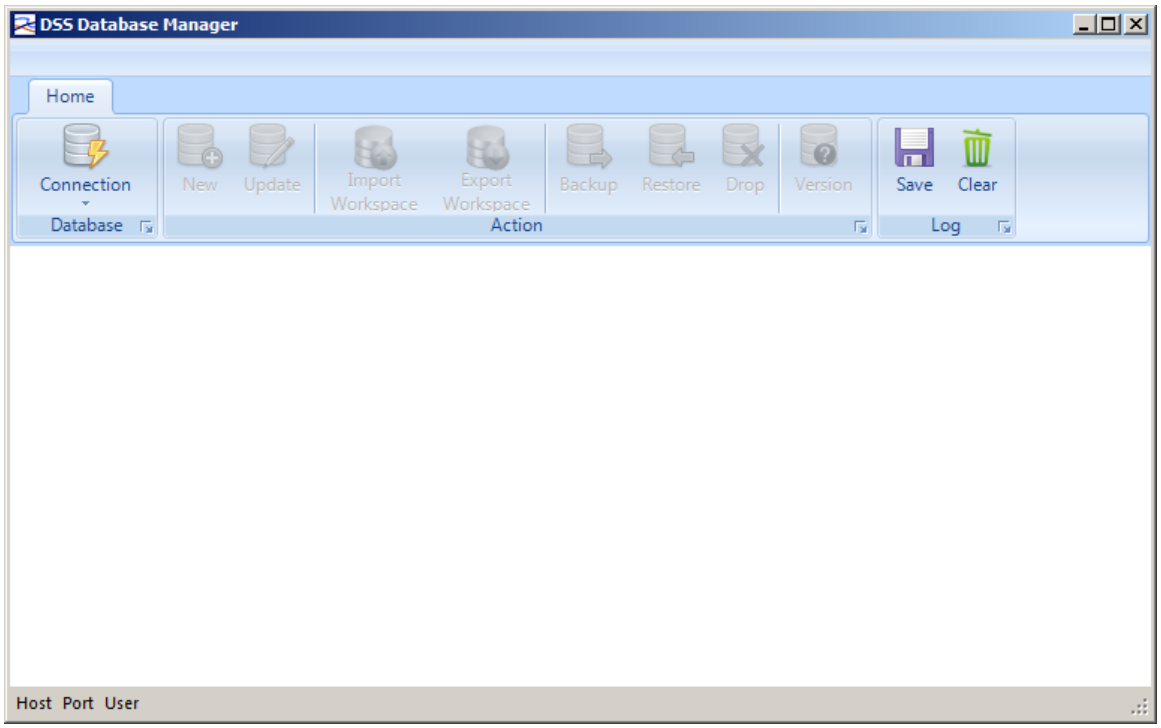
7 DATABASE MANAGEMENT UTILITY

Before KBS can run a database must be created.

For this use the KBS installation comes with the Database Management Utility

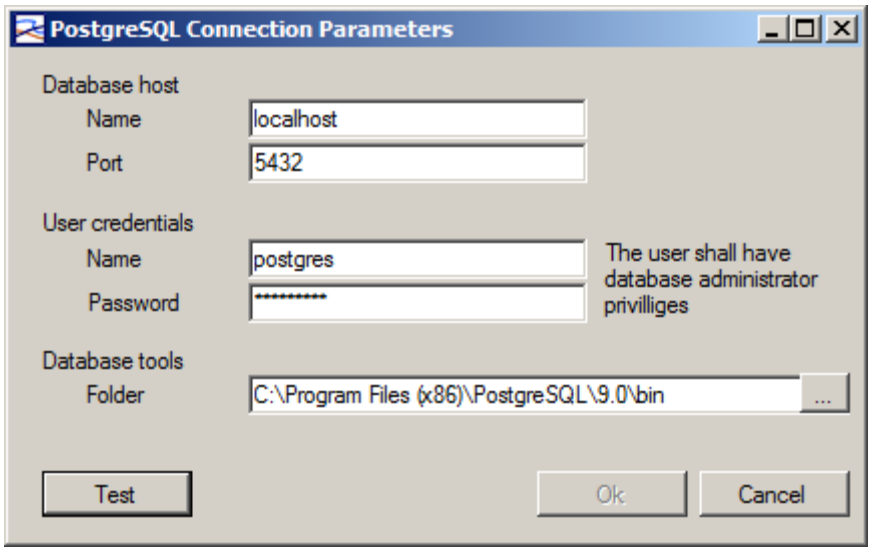


The program opens like this:

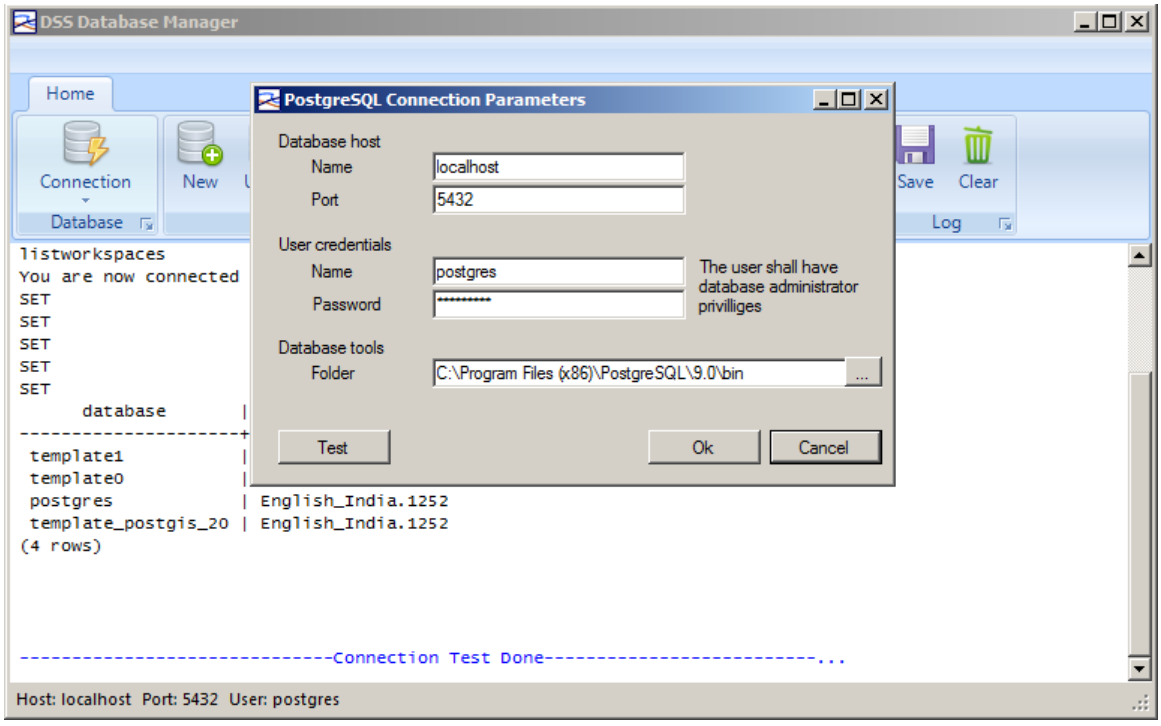


7.1 Connecting

The application must connect ot the database service before performing it tasks. To establish a commection click Connection -> PostgreSQL



Consider the content of the input boxes and click the "Test" button. This will attempt connect to the database and list available databases. If successful the "Ok" button becomes active.

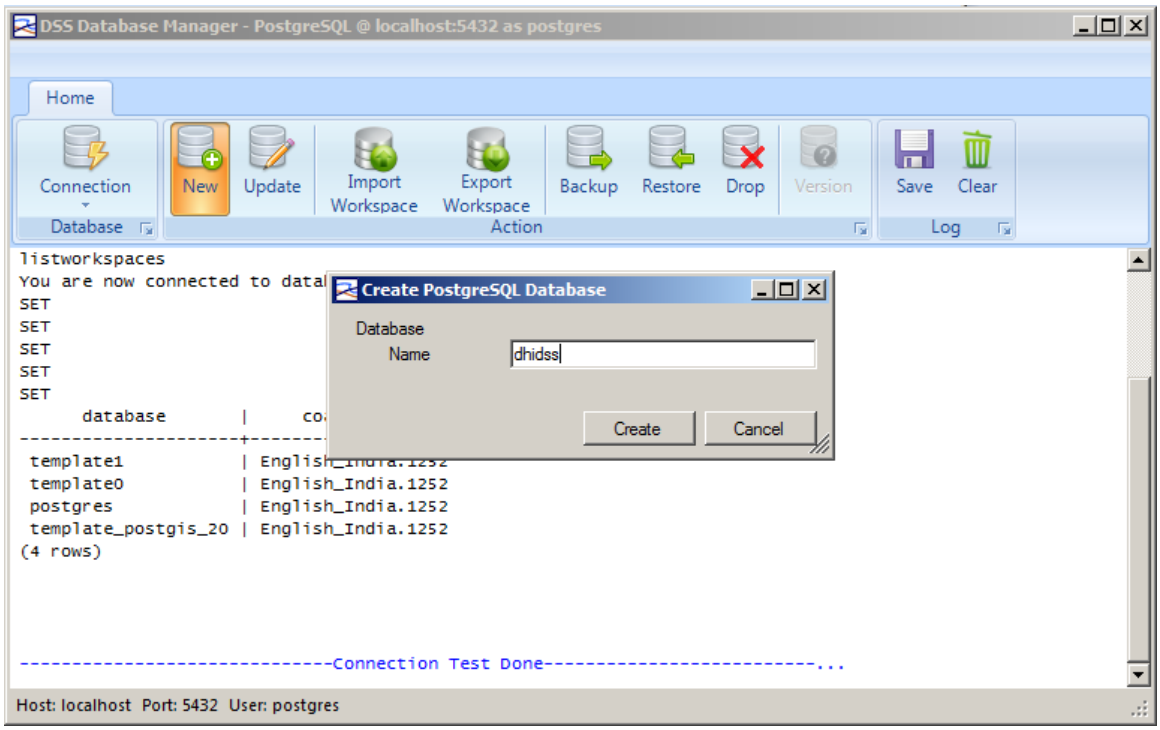


Click "OK" to close the dialog.

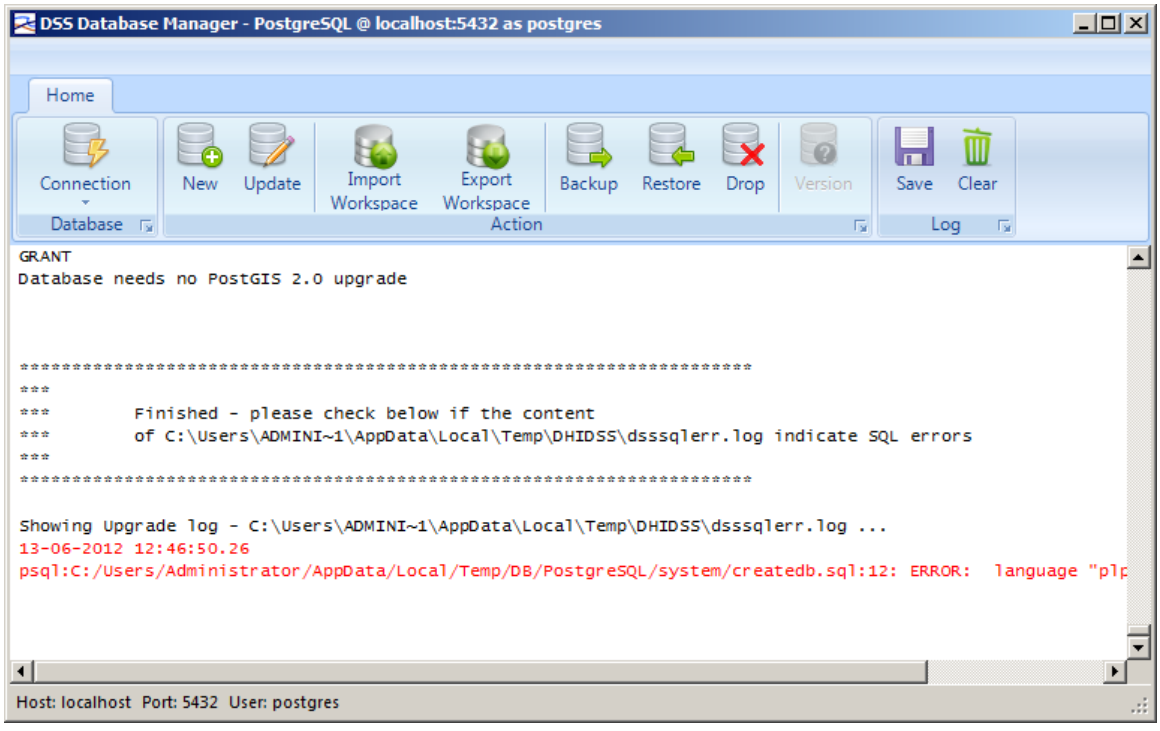
The menu strip will display available actions.

7.2 Create a new database

To create a new database click "New". The application will promopt for the name of the database to create.



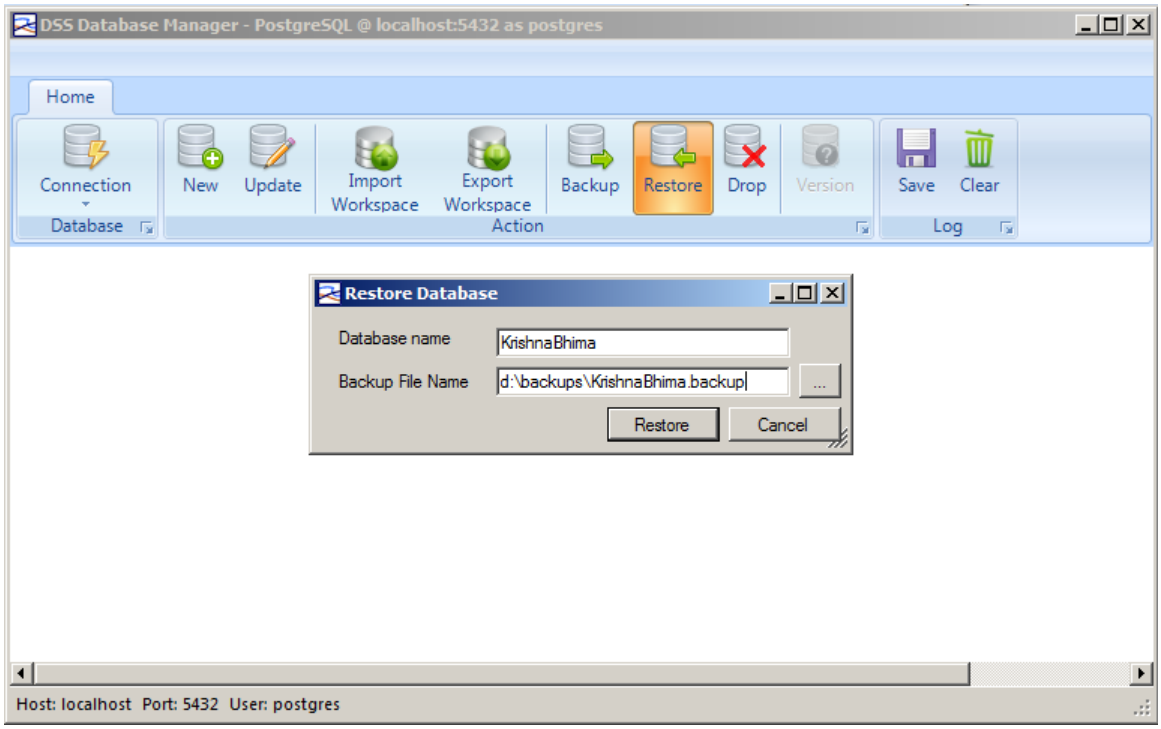
Click OK to start creation. The application will run a large number of databse scripts and present the output in the log:



Successful creation may end as shown above (this error can be ignored).

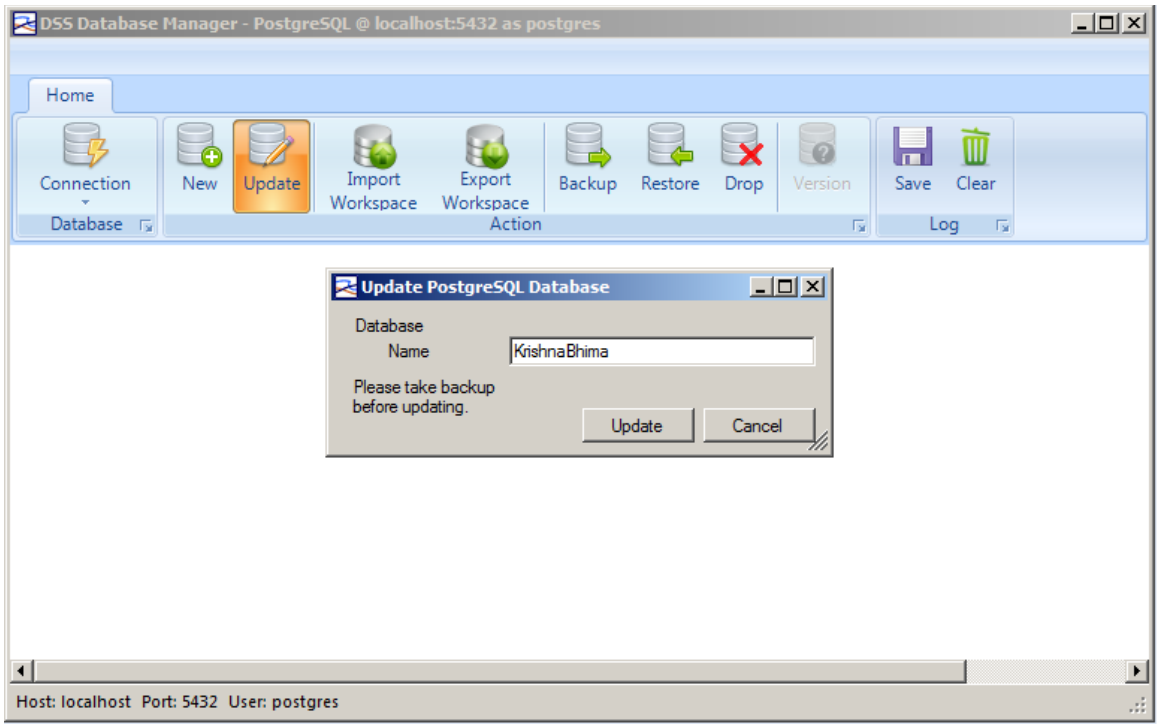
7.3 Restoring a backup

To restore a backup click “Restore”. The application will prompt for the name of the database to create with the restore and the backup file to restore.



7.4 Updating a database

When the KBS application is updated existing databases must also be updated. To update a database click “Update”. The application will prompt for the name of the database to update. Make sure the name is entered precisely as listed in the log during the connection test (see 7.1)..



7.5 Passwords

Machine login details including passwords are provided to authorized officials and users.